

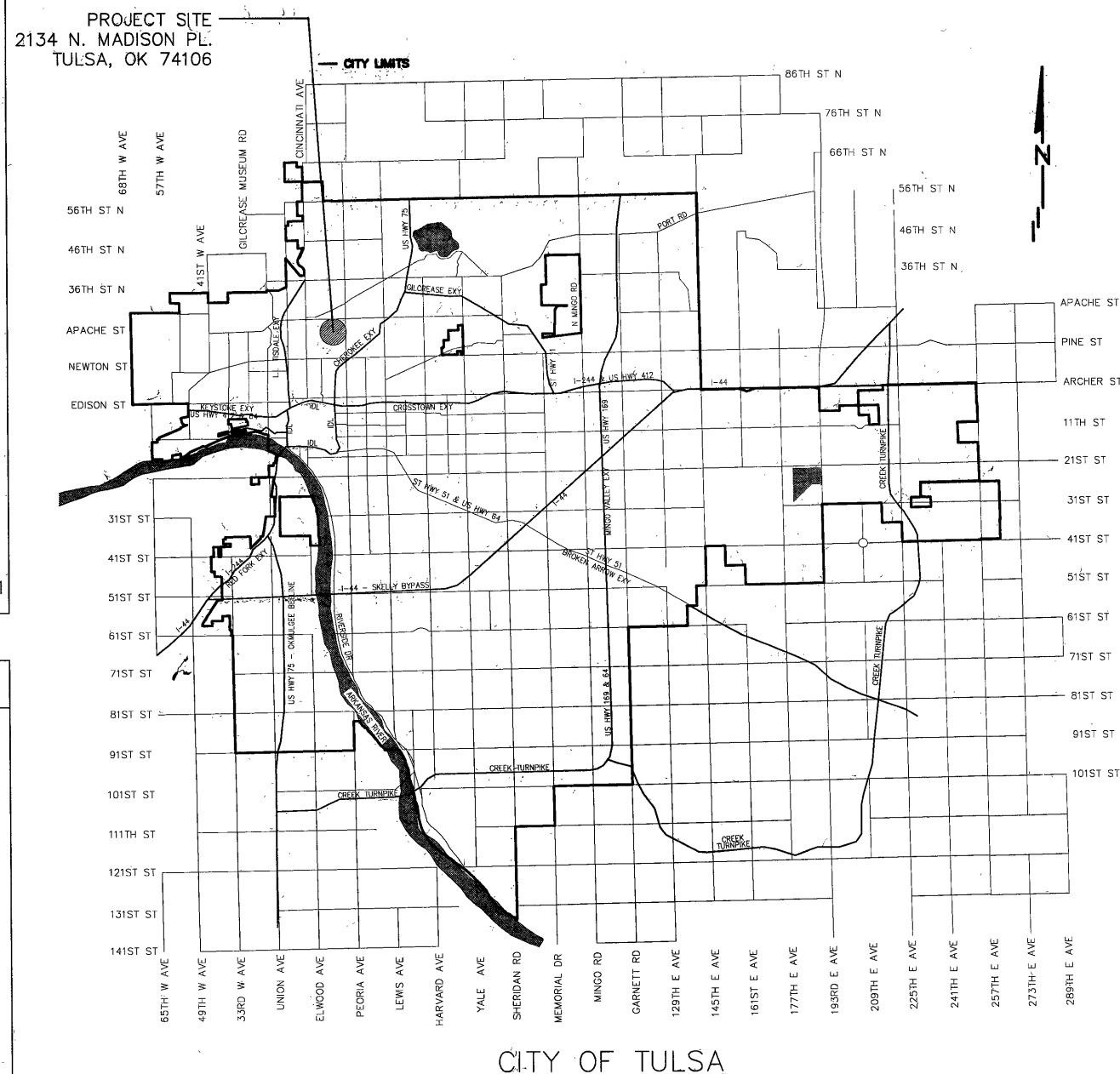
# DRAWING INDEX

SHEET	DESCRIPTION
A01	COVER SHEET SUMMARY SCHEDULE
C1	GENERAL NOTES
C2	SURVEY
C3	SURVEY
C4	SURVEY
C5	SURVEY
C6	SURVEY
C7	OVERALL DEMOLITION AND EROSION CONTROL PLAN
C8	DEMOLITION AND EROSION CONTROL PLAN
C9	DEMOLITION AND EROSION CONTROL PLAN
C10	DEMOLITION AND EROSION CONTROL PLAN
C11	OVERALL SITE PLAN
C12	SITE PLAN
C13	SITE PLAN
C14	SITE PLAN
C15	SITE PLAN
C16	SITE PLAN
C17	SITE PLAN
C18	OVERALL GRADING AND UTILITY PLAN
C19	GRADING AND UTILITY PLAN
C20	GRADING AND UTILITY PLAN
C21	GRADING AND UTILITY PLAN
C22	GRADING AND UTILITY PLAN
C23	GRADING AND UTILITY PLAN
C24	GRADING AND UTILITY PLAN
C25	DETAILS
C26	DETAILS
L1	LANDSCAPE PLAN - OVERALL
L2	TENNIS COURT REFERENCE PLAN
L3	BASKETBALL COURT REFERENCE PLAN
L4	DETAILS
S1	STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS
S2	POST-TENSIONED SLAB PLANS AND DETAILS
E1	ELECTRICAL COVER SHEET
E2	DEMOLITION PLAN - EXISTING BASKETBALL COURT
E3	POWER PLAN - NEW BASKETBALL COURT - BASE BID
E4	LIGHTING AND POWER PLAN - BASKETBALL COURT BASE BID
E5	LIGHTING AND POWER SOLAR PLAN - ADD ALTERNATE A3
E6	LIGHTING AND POWER PLAN - NEW TENNIS COURT - ADD ALTERNATE A1
E7	ELECTRICAL DETAILS
E8	PHOTOMETRICS - BASE BID BASKETBALL COURT
E9	PHOTOMETRICS - TENNIS COURT - ADD ALTERNATE A1

# CONSTRUCTION DRAWINGS FOR LACY PARK IMPROVEMENTS PROJECT NO. SP21-4

ACCOUNT NO. 7239000-541104-21D05, 21D06, 21D07, 21D09

## CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT



# UTILITY COORDINATION BOX

	NUMBER	NOTIFIED
WATER DESIGN	918-596-9566	
WASTEWATER DESIGN	918-596-9564	
TRANSPORTATION DESIGN	918-596-9636	
TRAFFIC ENGINEERING DESIGN	918-596-9744	
STORMWATER DESIGN	918-596-9498	
ONG	918-831-8261	
COX COMMUNICATIONS	918-286-4716	
PSO/ AEP	918-250-6257	
VERIZON/ AT&T	918-576-2142	
PARKS MAINTENANCE	918-596-2486	



# CITY OF TULSA STANDARD DETAILS

SHEET	DESCRIPTION
102	PROJECT SIGN
126	SILT FENCE AND CONSTRUCTION ENTRANCE
726	CURB AND GUTTER
730	STANDARD ASPHALT PAVEMENT CUT AND REPAIR
790	STANDARD RAMP TYPE D
608B	SIGN POSTS

# PLANS PREPARED BY

## ARCHITECT:

GH2 ARCHITECTS, LLC  
320 S. BOSTON SUITE 100  
TULSA, OKLAHOMA 74103  
TEL - 918.587.6158  
FAX - 918.587.0357  
MICHAEL HALL  
OK LICENSE #3381

## SURVEYOR:

BENNETT SURVEYING, INC.  
PO BOX 848  
CHOUTEAU, OK 74337  
TEL - 918.935.0350

## STRUCTURAL:

WALLACE DESIGN COLLECTIVE  
123 N M.L.K. Jr Blvd  
Tulsa, OK 74103  
TEL - 918.584.5858

## CIVIL:

WALLACE DESIGN COLLECTIVE  
123 N M.L.K. Jr Blvd  
Tulsa, OK 74103  
TEL - 918.584.5858

## ELECTRICAL:

D.W. GATES ENGINEERING SERVICES  
616 S. MAIN, SUITE 112  
TULSA, OKLAHOMA 74119  
TEL - 918.583.6905

# APPROVED BY

CITY ENGINEER

DATE

*Anna Carr*

10-25-22

DIRECTOR OF PARKS

DATE

# GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA CODES AND ORDINANCES, ENGINEERING SERVICES STANDARDS, AND TULSA PARKS STANDARDS AND SPECIFICATIONS. (CITY OF TULSA ORDINANCES AND CODE AMENDMENTS SUPERSEDE NATIONAL CODES.)

CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL STRUCTURES, LANDSCAPING, PAVING, AND ANY OTHER ITEMS LOCATED WITHIN AND OUTSIDE THE WORK AREA. ANY DAMAGE TO PERMANENT ITEMS INCURRED BY THE CONTRACTOR THROUGH HIS WORK IN THIS CONTRACT SHALL BE REPAIRED TO ORIGINAL CONDITION, BY THE CONTRACTOR, AT HIS OWN EXPENSE.

CONTRACTORS WILL COORDINATE WITH IDENTIFIED MAINTENANCE OPERATIONS PERSONNEL FOR APPLICATION, SHUT OFF, AND REMOVAL OF ALL UTILITIES.

BID ITEM	PAY NOTES	DESCRIPTION	UNIT	QTY
001	1, 2, 3, 4	GENERAL CONDITIONS, SPECIFICATION SECTION 015000, INCLUDING PROJECT SIGN, TEMPORARY CONSTRUCTION FENCE AND TREE PROTECTION FENCE	SYSTEM	1
002	5	STAKING	EA	1
003	6	SILT FENCE	LF	1,600
004	7	INLET PROTECTION	EA	8
DEMOLITION				
005	8	STRIP AND STOCKPILE TOPSOIL	CY	645
006	9, 10, 11, 12	DEMOLITION, INCLUDING TREE REMOVAL, CONCRETE PAVING TO BE REMOVED, REMOVAL OF ASPHALT PARKING LOT AND REMOVAL OF PAVEMENT AT CLOSED STREET	SYSTEM	1
007	13	EXCAVATION	CY	1,250
008	14	SOILS - HAUL OFF	CY	1,000
009	15	SAWCUT	LF	125
IMPROVEMENTS				
010	16	SITE GRADING	SY	3,300
011	17	SELECT FILL MATERIAL	CY	1,835
012	18	SOILS - TOPSOIL	CY	645
013	39	BASKETBALL COURT	SF	6,320
014	40	BASKETBALL FENCING	LF	112
015	19	BASKETBALL LIGHTING	SYSTEM	1
016	20	BASKETBALL GOALS	EA	2
017	21	BASKETBALL SEATING	LF	24
018	22	CONCRETE SIDEWALK	SF	5,700
019	23	CURB WALL	LF	260
020	24	ASPHALT PARKING LOT	SF	6,200
021	25, 26	MILL, PATCH, OVERLAY ASPHALT PARKING	SF	32,000
022	27	CONCRETE CURB AND GUTTER	LF	420
023	28	CONCRETE CURB RAMP	EA	4
024	29	PARKING STRIPING	LF	1,860
025	30	PARKING SIGNS	EA	16
026	31	STEPS (2) AND HANDRAIL	EA	1
027	32	CONCRETE RETAINING WALL	LF	65
028	33	DRAIN BASIN	EA	1
029	34	4" NON-PERFORATED DRAIN PIPE	LF	80
030	34	4" PERFORATED DRAIN PIPE	LF	7
031	35	CLEAN No. 57 AGGREGATE	CY	40
032	36	STORM SEWER ALLOWANCE	ALLOW	1
033	36	OWNER'S ALLOWANCE	ALLOW	1
034	37	SOD - BERMUDA	SF	22,600
ADD ALT. A1 035	38, 39, 40, 41, 42, 43	TENNIS COURT, DEMOLITION OF EXISTING BASKETBALL COURT, BASKETBALL GOALS AND LIGHTS, ALL SITE WORK, NEW POST-TENSIONED COURT WITH ALL AMENITIES AND ELECTRICAL, LIGHTING, AND WEST SIDEWALK CONNECTION	SYSTEM	1
ADD ALT. A2 036	22, 28	OSAGE PRAIRIE TRAIL CONNECTION, REPLACEMENT OF PORTION OF EXISTING TRAIL AND INSTALLATION OF ENTIRE TRAIL, INCLUDING EARTHWORK, CULVERT, CURB RAMPS AND SOD	SYSTEM	1
ADD ALT. A3 037	42	BASKETBALL COURT SOLAR LIGHTING IN LIEU OF BASE BID BASKETBALL COURT LIGHTING	SYSTEM	1
ADD ALT. A4 038	10, 22, 28	MADISON AVE. SIDEWALK REPLACEMENT, INCLUDING EARTHWORK, CURB RAMPS AND SOD	SYSTEM	1

PAY NOTES

1. INCLUDES TEMPORARY FACILITIES AND CONTROLS, CLEANING, AND SANITARY FACILITIES.

2. PROVIDE, INSTALL, AND MAINTAIN PROJECT SIGN PER OWNER'S REQUIREMENTS. REMOVE SIGN UPON COMPLETION OF PROJECT.

3. PROVIDE, INSTALL, AND MAINTAIN CONSTRUCTION FENCE. REMOVE FENCE UPON COMPLETION OF PROJECT.

4. PROVIDE, INSTALL, AND MAINTAIN TREE PROTECTION FENCE PER NOTES AND DETAIL ON PLAN. REMOVE AT COMPLETION OF JOB.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VERTICAL AND HORIZONTAL ALIGNMENT AND CONSTRUCTION STAKING. THE CONTRACTOR SHALL FIELD LOCATE BENCHMARKS DEPICTED IN THE PLANS AND VERIFY WITH THE ARCHITECT.

6. PROVIDE, INSTALL AND MAINTAIN SILT FENCE WHERE SHOWN ON THE PLANS FOR EROSION CONTROL. REMOVE AT COMPLETION OF JOB.

7. EROSION PROTECTION PLACED AND MAINTAINED TO PREVENT SEDIMENT WASHOUT INTO INLETS AND SHALL BE REMOVED AT THE END OF THE PROJECT.

8. STRIP, STOCKPILE, AND REINSTALL TOPSOIL UNDER SOD AT ALL DISTURBED AREAS WITHIN THE WORK AREA.

9. REMOVE AND DISPOSE OF TREE WHERE INDICATED ON PLANS. REMOVE AND DISPOSE OF ALL SURFACE ROOTS AND ROOT BALL.

10. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING, INCLUDING BASE MATERIAL.

11. REMOVE AND DISPOSE OF CONCRETE PAVEMENT AND AGGREGATE BASE.

12. REMOVE AND DISPOSE OF ASPHALT PAVEMENT AND AGGREGATE BASE.

13. REMOVE EXISTING EARTH AS NEEDED TO PROVIDE SMOOTH GRADE TRANSITIONS AND POSITIVE DRAINAGE.

14. HAUL OFF UNUSED SOIL.

15. SAW CUT PAVEMENT TO FULL DEPTH TO REMOVE EXISTING PAVING. PROVIDE CLEAN LINE FOR EXISTING PAVING TO REMAIN.

16. MANIPULATE EARTH TO PROVIDE SMOOTH GRADE TRANSITIONS AND POSITIVE DRAINAGE.

17. PROVIDE AND INSTALL GENERAL FILL, TOPSOIL, TO PROVIDE SMOOTH GRADE TRANSITIONS AND POSITIVE DRAINAGE.

18. PROVIDE ADDITIONAL TOPSOIL UNDER SOD AT ALL AREAS DISTURBED WITHIN THE WORK AREA. USE STOCKPILE SOIL FIRST.

19. COMPLETE LIGHTING SYSTEM, INCLUDING CONDUIT, WIRING, CONNECTION, LIGHT POLE, FOUNDATION, FIXTURES, SWITCHES, AND ACCESSORIES.

20. PROVIDE AND INSTALL AS INDICATED, INCLUDING CONCRETE FOOTING. INCLUDE ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

21. PROVIDE AND INSTALL CAST IN PLACE CONCRETE SEAT WALL, INCLUDING, BUT NOT LIMITED TO: CONCRETE FOOTINGS, REINFORCING STEEL, TIES, JOINTS AND JOINT SEALANT, AND ALL MATERIALS AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

22. PROVIDE NEW CONCRETE PAVING TO INCLUDE SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, REINFORCED CONCRETE, CONTROL AND EXPANSION JOINTS, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

23. PROVIDE NEW CONCRETE CURB WALL TO INCLUDE SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, REINFORCED CONCRETE, CONTROL AND EXPANSION JOINTS, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.
24. COT STD 726 TYPE 4. INCLUDES ASPHALT, AGGREGATE BASE, COMPACTION OF AGGREGATE TO 98% AASH TO T180 MODIFIED PROCTOR.

25. MODIFY EXISTING ASPHALT PARKING LOT. COT STD 726 TYPE 4. INCLUDES ASPHALT, AGGREGATE BASE, COMPACTION OF AGGREGATE TO 98% AASH TO T180 MODIFIED PROCTOR.

26. MILL/ PATCH, COT STD 725/ AND OVERLAY EXISTING PARKING LOT.

27. COT STD 726, THE USE OF FLY ASH IN CONCRETE IS PROHIBITED.

28. PROVIDE NEW CONCRETE RAMP TO INCLUDE SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, REINFORCED CONCRETE PAVEMENT, CONCRETE CURB, CONTROL AND EXPANSION JOINTS, TRUNCATED DOMES, CURB AND GUTTER, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION, PER COT STD 790 TYPE D.

29. PROVIDE AND INSTALL AS INDICATED; COLOR: WHITE.

30. PROVIDE AND INSTALL AS INDICATED, PER COT STD 608B; INCLUDE CONCRETE FOOTING.

31. PROVIDE NEW CONCRETE STEPS TO INCLUDE SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, REINFORCED CONCRETE, CONTROL AND EXPANSION JOINTS, HANDRAILS, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

32. PROVIDE NEW CONCRETE RETAINING WALL TO INCLUDE SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, REINFORCED CONCRETE, CONTROL AND EXPANSION JOINTS, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

33. NYOPLAST INLET OR EQUAL. COMPLETE AND IN PLACE INCLUDING EXCAVATION, BACKFILL, AND COMPACTION.

34. PROVIDE AND INSTALL IN PLACE, INCLUDING TRENCHING, BACKFILL, SEPARATOR FABRIC, COMPACTION, CONDUITS, ASSOCIATED PARTS/ FITTINGS/ CONNECTIONS.

35. PROVIDE AND INSTALL No. 57 CLEAN AGGREGATE BASE AS REQUIRED. INCLUDE GEOTEXTILE FILTER FABRIC.

36. APPROVED BY OWNER PRIOR TO USE.

37. SOD AREAS DISTURBED BY CONSTRUCTION ACTIVITY. SOD TYPE TO BE U-3 SOLID SLAB BERMUDA. DISTURBED AREAS OUTSIDE THE LIMITS OF DISTURBED AREA AND OWNER DEFINED ACCESS ROUTE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. INCLUDES WATERING, FERTILIZER, AND MAINTENANCE.

38. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING, GOALS, BENCHES, AND LIGHTING. INCLUDE BASE MATERIAL AND UNCLASSIFIED MATERIALS TO MEET THE DEPTH REQUIRED TO INSTALL NEW WORK AS SHOWN IN THE DRAWINGS.

39. PROVIDE NEW POST-TENSIONED CONCRETE SLAB TO INCLUDE GRADING, SUBGRADE COMPACTION, COMPACTED CRUSHED AGGREGATE, CONCRETE WITH REINFORCING, JOINTS, BLOCK-OUTS, AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

40. PROVIDE AND INSTALL, INCLUDING FOOTINGS AND ASSOCIATED PARTS, COMPLETE AND IN PLACE, PER CONSTRUCTION DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.

41. PROVIDE AND INSTALL WINDSCREENS AND ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE INSTALLATION.

42. COMPLETE LIGHTING SYSTEM, INCLUDING LIGHT POLE, FOUNDATION, FIXTURES, SWITCHES AND ACCESSORIES.

43. PROVIDE AND INSTALL NEW. ALL MATERIALS AND LABOR INCLUDED.

GENERAL NOTES

1. VISIT SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT AND NATURE OF THE CONDITIONS WITHIN WHICH WORK MUST BE ACCOMPLISHED.

2. VERIFY THE EXISTENCE AND LOCATION OF UTILITIES PRIOR TO STARTING ANY WORK.

3. MAINTAIN UTILITY SERVICES AND PROTECT THEM AGAINST DAMAGE DURING CONSTRUCTION OPERATIONS.

4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE UTILITIES (OVERHEAD AND BURIED) WHICH MAY OCCUR DUE TO HIS ACTION OR LACK OF ACTION ON THE PROJECT SITE DURING CONSTRUCTION OPERATIONS. SEEK ASSISTANCE OF LOCAL UTILITIES IN LOCATING THE UTILITIES PRIOR TO PERFORMING OPERATIONS IN ANY AREA.

5. GUARANTEE ALL LANDSCAPE WORK AND SOD FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF THE WORK BY THE OWNER.

6. SOD WHICH DIES DURING THE ONE YEAR GUARANTEE PERIOD SHALL BE REPLACED DURING NORMAL PLANTING SEASONS.

7. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF THE SOD UNTIL COMPLETION OF THE PROJECT AND ACCEPTANCE BY THE OWNER.

8. FINE GRADE AND SOD AREAS DISTURBED BY CONSTRUCTION.

9. TOPSOIL DEPTH IN SOD AREAS SHALL BE 6-INCHES, MINIMUM.

10. SOILS COMPACTED MORE THAN 85% STANDARD PROCTOR DENSITY AS A RESULT OF CONSTRUCTION OPERATIONS WITHIN EXISTING TREE DRIFTLINES AND LANDSCAPE AREAS SHALL BE RESTORED TO A CONDITION CONDUCTIVE TO PROMOTE LONG TERM PLANT HEALTH. RESTORATION METHOD(S) SHALL BE AS RECOMMENDED BY A CERTIFIED ARBORIST, AND REMEDIED AT NO COST TO THE OWNER.

11. REPLACE DAMAGED LANDSCAPE, OR LANDSCAPE WHICH DIES AS A RESULT OF CONSTRUCTION OPERATIONS, WITH EQUIVALENT LANDSCAPE AT NO COST TO THE OWNER.

12. MATURE TREES TO REMAIN REQUIRING REPLACEMENT AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE APPRAISED BY A PROFESSIONAL APPRAISER. THE VALUE ASSIGNED SHALL BE CREDITED TO THE OWNER.

SUMMARY SCHEDULE  
PROJECT NUMBER SP 21-4  
LACY PARK IMPROVEMENTS  
2134 N. MADISON PL., TULSA, OK 74106  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
GH2 ARCHITECTS, LLC.

REVISION	BY	DATE	PLAN SCALE:	DRAWN	NAS	9/26/2022	APPROVED:
				DESIGNED	NAS	9/26/2022	
				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
				FIELD MGR.			
			VERTICAL:	RECOMMENDED:			
				DESIGN MANAGER			CITY ENGINEER
			FILE:	DRAWING:			DATE:
							SHEET A01 OF 43 SHEETS

ORIG SIZE: 22" X 34" PLOT: 10/7/2022 5:11:39 PM CIVIL-SERVER\Projects\2140326 Lacy Park Improvements\Drawings\PRODUCTION\2140326 C100 Cover Sheet.dwg

GENERAL:

CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEEP ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY. RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.

THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.

ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.

UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF TULSA STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY STANDARDS AND OKLAHOMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND/OR THE APPROPRIATE LOCAL AUTHORITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRADE PERMITS, PERMIT FEES, LICENSES, LICENSE FEES, AND TAP FEES, ETC.

ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.

RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.

NO DIMENSION MAY BE SCALED. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

OKIE:

ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS) AND CALL "OKIE" AT 1-800-522-6543.

FOR LOCATING SERVICE UTILITY LINES, CONTACT DAVID BECK @ 918-596-2495.

EXISTING UTILITY LOCATIONS SHOWN SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

SITE WORK AND GRADING:

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS AND CURB RAMPS SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, AND THE INTERIM FINAL RULES FOR PUBLIC RIGHT-OF-WAY, PUBLISHED IN THE FEDERAL REGISTER, SEPTEMBER 2010. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR, WRITTEN PERMISSION FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

CROSS SLOPES FOR SIDEWALKS SHALL NOT EXCEED 1:50  
RAMP SLOPES SHALL NOT EXCEED 1:12  
GRADES EXCEEDING 5% WILL BE TREATED AS A RAMP SLOPE

FINISHED SUBGRADE SURFACE SHALL NOT BE MORE THAN 0.1 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATIONS AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. FINISHED DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION.

GEOTECHNICAL:

GEOTECHNICAL REPORT PREPARED BY AIMRIGHT TESTING & ENGINEERING, LLC, DATED, ILLC, DATED FEBRUARY 19, 2015 WAS USED FOR DESIGN.

SURVEY:

EXISTING TOPOGRAPHY IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY BENNETT SURVEYING SURVEYING, INC., DATED JUNE 7, 2022.

IMPERVIOUS AREA TABLE

TOTAL DISTURBED AREA	1.8 ACRES
EXISTING IMPERVIOUS AREA	68,950 SF
PROPOSED IMPERVIOUS AREA	81,500 SF
INCREASE IN IMPERVIOUS AREA	12,550 SF

CITY OF TULSA  
ATLAS PAGE 116

EROSION CONTROL NOTES:

ALL EROSION CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND CITY OF TULSA STANDARDS AND SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING A STABILIZED CONSTRUCTION ENTRANCE, AND FOR CLEANING OF VEHICLE WHEELS IN ACCORDANCE WITH THE CITY OF TULSA STANDARDS AND SPECIFICATIONS.

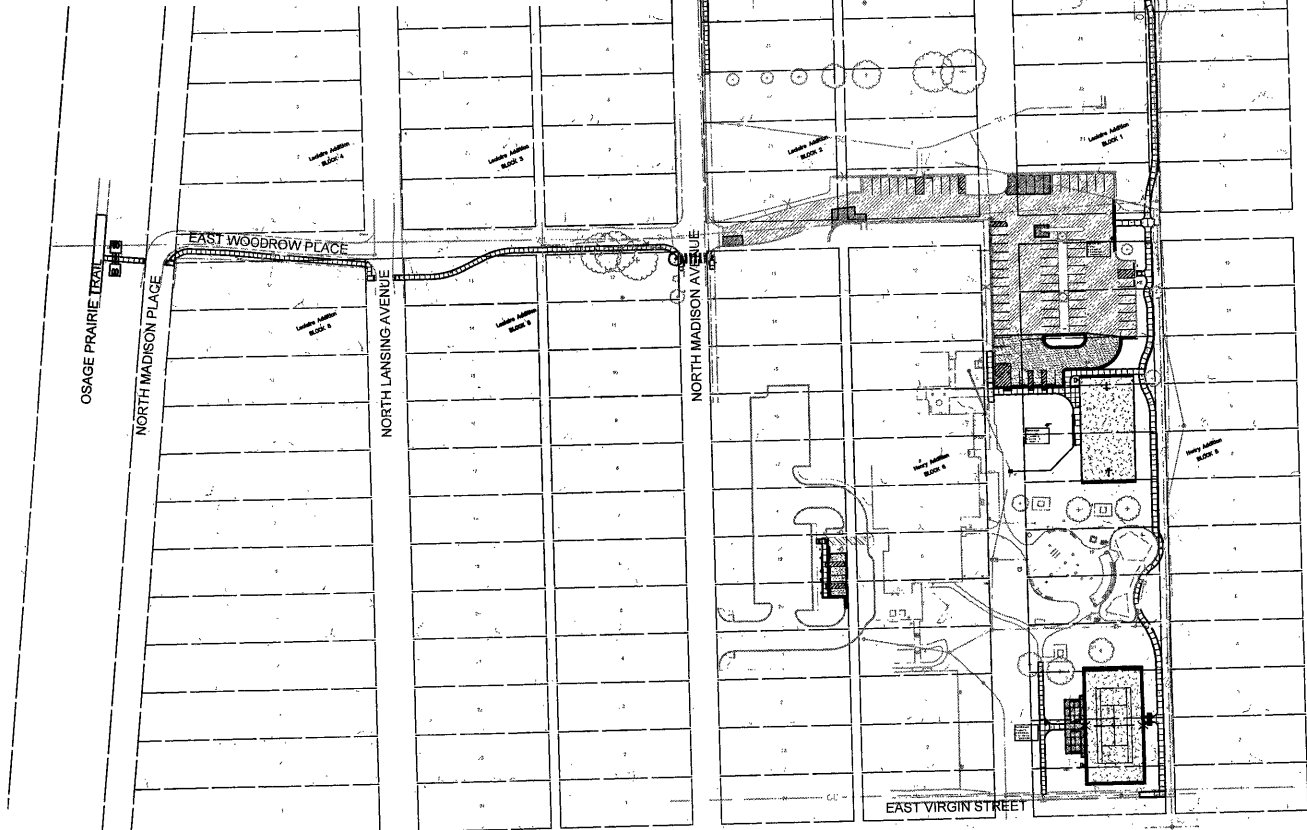
SILT FENCES: PLACEMENT OF SILT FENCES SHALL BE AS SHOWN ON THE DEMOLITION & EROSION CONTROL PLAN. FENCING WHICH BECOMES DAMAGED SHALL BE REPLACED PROMPTLY. DEPOSITS OF SILT WHICH BUILD UP BEHIND DIKES MAY BE DISKED INTO THE SITE BEFORE PLACEMENT OF TEMPORARY COVER. AFTER TEMPORARY COVER IS PLACED OR AFTER LANDSCAPING COMMENCES, SILT SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

AS-BUILTS:

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL APPROVED CHANGES INCURRED FOLLOWING ENGINEERING SERVICES APPROVAL OF THE INITIAL DRAWINGS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS OR CHANGES MADE BY THE DESIGN ENGINEER OR THE PUBLIC WORKS ENGINEER. EXCEPT FOR MINOR FIELD ADJUSTMENTS, ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE DESIGN ENGINEER AND THE PUBLIC WORKS ENGINEER PRIOR TO FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD (DESIGN ENGINEER) AFTER FINAL INSPECTION OF PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF FINAL AS-BUILT RECORD DRAWINGS.

PERMANENT EROSION CONTROL PRACTICES:

RE: LANDSCAPE



TULSA REGULATORY FLOODPLAIN ON PORTION OF PROJECT SITE.  
NO FILL OR SPOILS TO BE PLACED IN THE FLOODPLAIN.  
FLOODPLAIN MUST BE STAKED OUT PRIOR TO CONSTRUCTION.

FLOODPLAIN INDEX BOX  
SITE IS ZONED "X" UNSHADED ON MAP NUMBER 40143C0240L  
DATED OCTOBER 16, 2012

660	EXISTING MAJOR CONTOUR
662	EXISTING MINOR CONTOUR
660	NEW MAJOR CONTOUR
662	NEW MINOR CONTOUR
X	FENCE
T	TELEPHONE OVERHEAD
W	POWER LINE OVERHEAD
G	GAS LINE
O	OIL LINE
PUG	POWER UNDERGROUND
TUG	TELEPHONE UNDERGROUND
TVUG	TV UNDERGROUND
W	WATER LINE
SS	SANITARY SEWER LINE
---	FLOW LINE DITCH
---	ODOT TEMPORARY SILT FENCE
SF	SILT FENCE

BM	BENCH MARK
CO	CLEANOUT
EP	DOWN GUY
FDC	EMERGENCY PHONE
FH	FIBER OPTIC MANHOLE
GM	FIRE DEPT CONNECTION
LP	FIRE HYDRANT
PB	GAS / OIL WELL
ST	GAS METER
TPED	LIGHT POLE
XFMR	LIGHT POLE
WH	POWER MANHOLE
WM	POWER POLE
S	PULL BOX
---	SANITARY MANHOLE
---	STEAM MANHOLE
---	STORM MANHOLE
---	TELEPHONE MANHOLE
---	TELEPHONE PEDESTAL
---	TRANSFORMER PAD
---	VALVE
---	WATER HYDRANT
---	WATER METER
---	WATER WELL
---	LIFT STATION MANHOLE

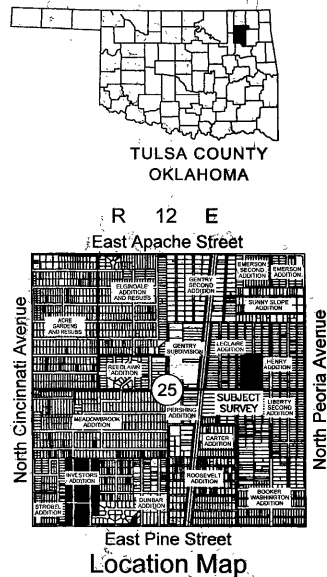
LEGEND

BC	BOT OF CURB
CI	CAST IRON
CLR	CLEAR
CJ	CONSTRUCTION JOINT
DB	DRAINAGE BASIN
DIP	DUCTILE IRON PIPE
DGDI	DOUBLE GRATE CURB INLET
DO	DOOR OPENING
EJ	EXPANSION JOINT
EL	ELEVATION
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOWLINE
HB	HOSE BIB
HDPE	HIGH DENSITY POLYETHYLENE
IRR	IRRIGATION
IST	INLET SEDIMENT TRAP
LF	LINEAR FEET
OHD	OVERHEAD DOOR

PAVT	PAVEMENT
PE	POLYETHYLENE
PVC	POLY VINYL CHLORIDE
R	RADIUS
RD	ROOF DRAIN
RW	RIGHT OF WAY
RCP	REINFC CONCRETE PIPE
RJ	RESTRAINED JOINT
SGDI	SINGLE GRATE CURB INLET
SF	SQUARE FEET
SJ	SAW JOINT
TC	TOP OF CURB
TG	TOP OF GRATE
TOF	TOP OF FOOTING
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TS	TOP OF SIDEWALK
TW	TOP OF WALL
UNO	UNLESS NOTED OTHERWISE

LIST OF SHEETS

C1	GENERAL NOTES
C2	SURVEY
C3	SURVEY
C4	SURVEY
C5	SURVEY
C6	SURVEY
C7	OVERALL DEMOLITION & EROSION CONTROL PLAN
C8	DEMOLITION & EROSION CONTROL PLAN
C9	DEMOLITION & EROSION CONTROL PLAN
C10	DEMOLITION & EROSION CONTROL PLAN
C11	OVERALL SITE PLAN
C12	SITE PLAN
C13	SITE PLAN
C14	SITE PLAN
C15	SITE PLAN
C16	SITE PLAN
C17	SITE PLAN
C18	OVERALL GRADING & UTILITY PLAN
C19	GRADING & UTILITY PLAN
C20	GRADING & UTILITY PLAN
C21	GRADING & UTILITY PLAN
C22	GRADING & UTILITY PLAN
C23	GRADING & UTILITY PLAN
C24	GRADING & UTILITY PLAN
C25	DETAILS
C26	DETAILS



EXISTING TOPOGRAPHY IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY BENNETT SURVEYING SURVEYING, INC., DATED JUNE 7, 2022.

BENCHMARK 1	BENCHMARK 2	BENCHMARK 3
CHISELED "X"	CHISELED "X"	P-K NAIL
ELEV=665.43	ELEV=663.78	ELEV=666.39
N=437405.633	N=437718.753	N=437914.619
E=2564919.841	E=2564922.372	E=2564990.440

THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON NAVD88 GPS DATA. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED OKLAHOMA STATE PLANE NAD83.



GENERAL NOTES				
PROJECT NUMBER SP 21-4				
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106				
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT				
PLANS AND ESTIMATES PREPARED BY: WALLACE DESIGN COLLECTIVE				
PLAN SCALE:	DRAWN	NM	09/26/2022	APPROVED:
	DESIGNED	JR	09/26/2022	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	EF	10/12/22	
	LEAD ENGR.	JK	11/12/22	
	FIELD MGR.	JK	11/23/22	
	RECOMMENDED:			
	DESIGN MANAGER			
FILE:	DRAWING:			CITY ENGINEER
				DATE: OCTOBER 7, 2022
				SHEET C1 OF 43 SHEETS



CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION, TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23

- Notes**
1. ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION NOT AVAILABLE TO SURVEYOR AT DATE OF SURVEY.
  2. THIS FIRM WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD. NO ATTEMPT TO RESEARCH THE COUNTY RECORDS OR OTHER RECORD OFFICES WAS PERFORMED BY THIS FIRM, THEREFORE EASEMENTS MAY AFFECT THE SUBJECT TRACT THAT ARE NOT REFLECTED BY THIS PLAN.
  3. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. (CALL "X" BEFORE DIGGING)
  4. THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON GPS DATA (NAVD83).
  5. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM NAD83.

**Legend**

AC AIR CONDITIONER  
BM BENCHMARK  
CMP CORRUGATED METAL PIPE  
CO CLEAN OUT  
COP CORRUGATED PLASTIC PIPE  
DOP DOUBLE DRAIN DROP INLET  
DIP DUCTILE IRON PIPE  
DOOR DOOR OPENING  
DS DOWNSPOUT  
EM ELECTRIC METER  
FDC FIRE DEPARTMENT CONNECTION  
FH FIRE HYDRANT  
FL FLOW LINE  
FP FLAG POLE  
GA GAS METER  
GRS GAS RISER  
GUY GUY WIRE DOWN  
ICV IRRIGATION CONTROL VALVE  
LP LIGHT POLE  
OE OVERHEAD ELECTRIC  
PP POWER POLE  
PVC POLYVINYL CHLORIDE PIPE  
RCP REINFORCED CONCRETE PIPE  
SD STORM DRAIN LINE  
SDM STORM DRAIN MANHOLE  
SS SANITARY SEWER LINE  
SSM SANITARY SEWER MANHOLE  
TO TOP OF GRADE  
TR TELEPHONE PEDESTAL  
TR TOP OF RIM  
UE UNDERGROUND ELECTRIC  
UG UNDERGROUND GAS  
VCP VITRIFIED CLAY PIPE  
WL WATER LINE  
WM WATER METER  
WV WATER VALVE  
XFM ELECTRIC TRANSFORMER

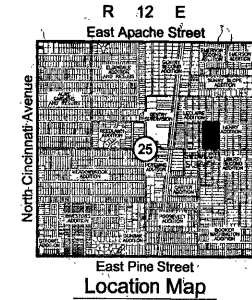
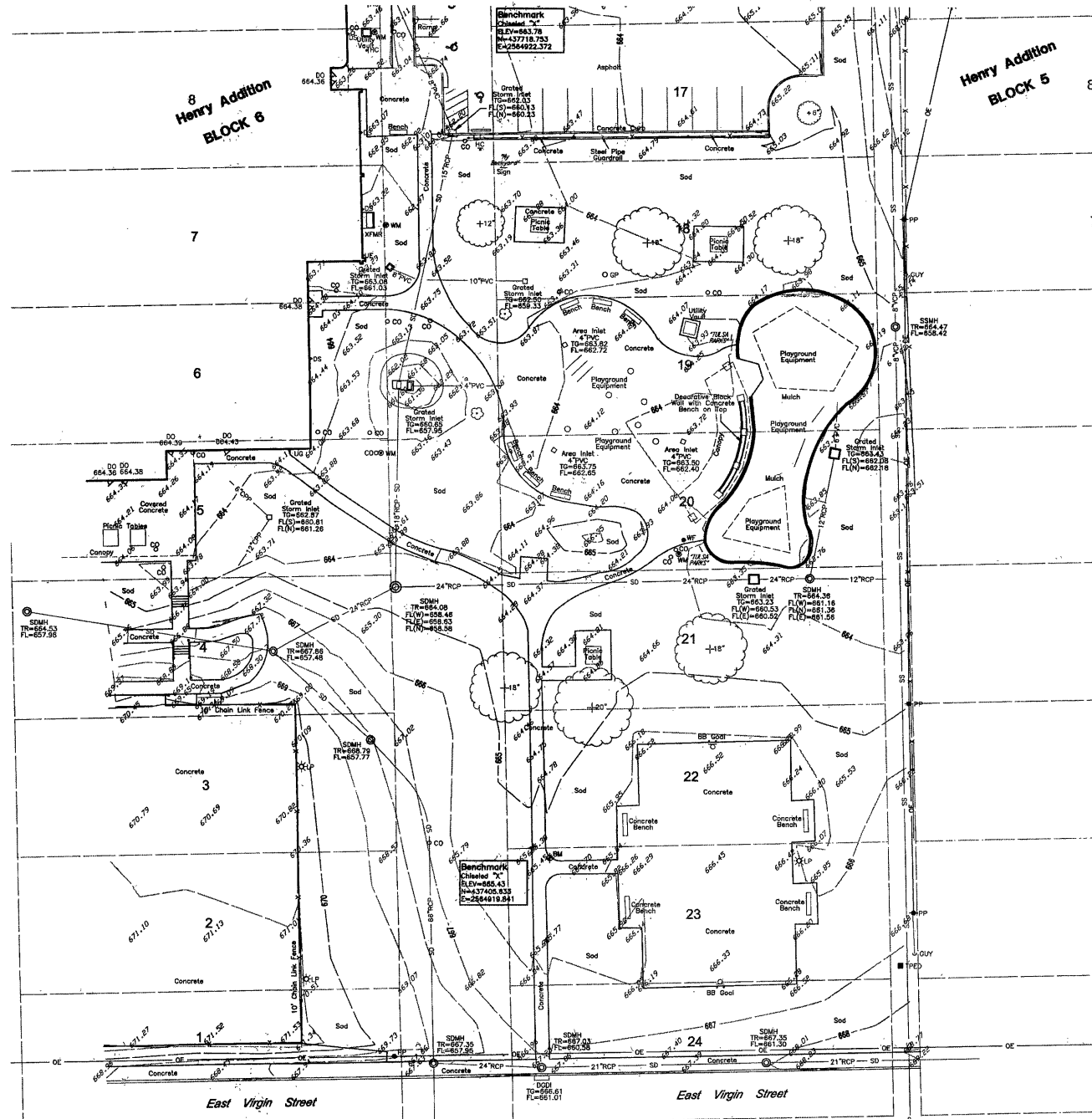
**Benchmark Notes**

P-X Not Observed "X" Observed "X"  
ELEV=666.30 ELEV=663.78 ELEV=665.43  
N=437914.619 N=437718.753 N=437405.633  
E=2564990.440 E=2564922.372 E=2564919.841



**Utility Statement**

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPREHEND ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL UNDERGROUND UTILITIES.



**Topographic Survey**  
of A Part of  
**Lacy Park**  
2134 North Madison Avenue  
City of Tulsa, Tulsa County, Oklahoma

**Surveyor's Certification**

WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

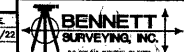
THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS 7TH DAY OF JUNE, 2022.



BY *Cliff Bennett*  
CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

REVISIONS	DATE
Additional Toppo	08/01/22
FILE	2012.25
ORDER	221101
SURVEY DATE	08/04/22
SURVEY BY	CLP
DRAWN BY	BAP
CHECKED BY	CDB
SHEET	1 OF 5



SURVEY			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
PLAN SCALE:	DRAWN	NM	APPROVED:
	DESIGNED	JR	09/28/2022
PROFILE SCALE:	SURVEY		
HORIZONTAL:	PROJ. MGR.	SP 10/22	
	LEAD ENGR.	Justin R. Roper	
	FIELD MGR.	Brian C. Roper	
VERTICAL:	RECOMMENDED:		
	DESIGN MANAGER		
FILE:	DRAWING:		CITY ENGINEER
			DATE: OCTOBER 7, 2022
			SHEET 02 OF 43 SHEETS

THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALLACE ENGINEERING HAS NOT CONFIRMED ITS ACCURACY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.



- Notes**
1. ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION NOT AVAILABLE TO SURVEYOR AT DATE OF SURVEY.
  2. THIS FIRM WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD. NO ATTEMPT TO RESEARCH THE COUNTY RECORDS OR OTHER RECORD OFFICES WAS PERFORMED BY THIS FIRM, THEREFORE EASEMENTS MAY AFFECT THE SUBJECT TRACT THAT ARE NOT REFLECTED BY THIS PLAN.
  3. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. (CALL "OKIE" BEFORE DIGGING!)
  4. THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON GPS DATA (NAVD83).
  5. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM NAD83.

**Legend**

AC AIR CONDITIONER  
BM BENCHMARK  
CMP CORRUGATED METAL PIPE  
CO CLEAN OUT  
COP CORRUGATED PLASTIC PIPE  
CDD DOUBLE GRADE DROP INLET  
DIP DUCTILE IRON PIPE  
DO DOOR OPENING  
DOW DOWNSPOUT  
EM ELECTRIC METER  
FDC FIRE DEPARTMENT CONNECTION  
FI FIRE HYDRANT  
FL FLOW LINE  
FP FLOW POLE  
GM GAS METER  
GWS GAS WIRE DOWN  
IY IRRIGATION CONTROL VALVE  
LP LIGHT POLE  
OE OVERHEAD ELECTRIC  
PP POWER POLE  
PVC POLYVINYL CHLORIDE PIPE  
RCP REINFORCED CONCRETE PIPE  
SD STORM DRAIN LINE  
SDMH SANITARY SEWER MANHOLE  
SS SANITARY SEWER LINE  
SSMH SANITARY SEWER MANHOLE  
TD TOP OF DRAIN  
TPE TELEPHONE PEDestal  
TN TOP OF NAIL  
UE UNDERGROUND ELECTRIC  
UG UNDERGROUND GAS  
VCP VITRIFIED CLAY PIPE  
WL WATER LINE  
WM WATER METER  
WV WATER VALVE  
XFMR ELECTRIC TRANSFORMER

**Benchmark Notes**

P-H Nail  
ELEV=666.39  
N=437914.619  
E=2564980.440

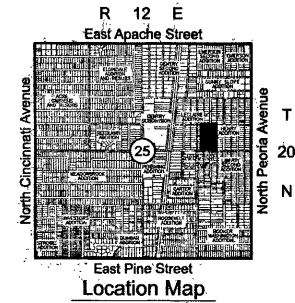
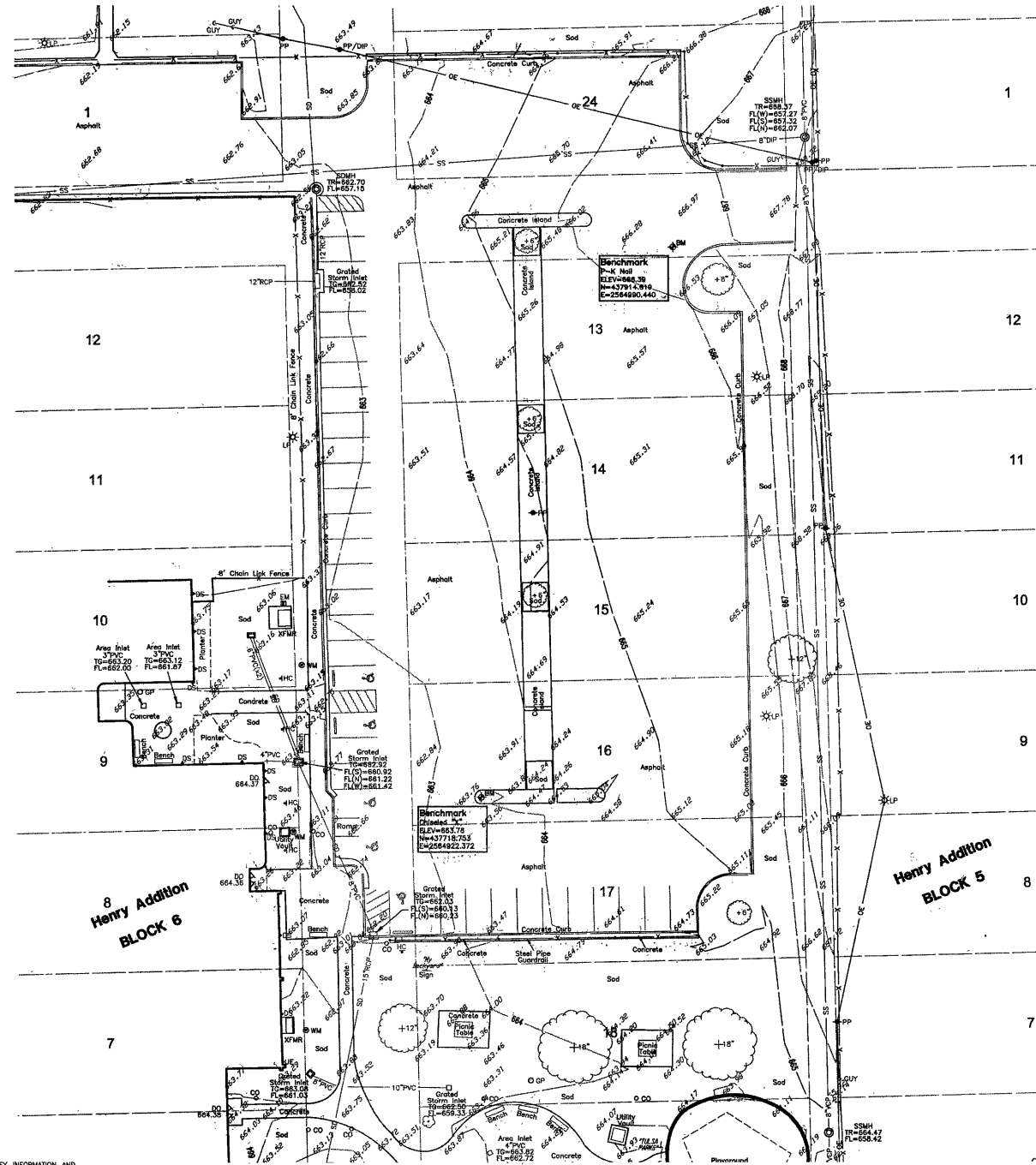
Chiseled "X"  
ELEV=663.78  
N=437718.753  
E=2564922.372

Chiseled "X"  
ELEV=665.43  
N=437455.633  
E=2564919.841



**Utility Statement**

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL UNDERGROUND UTILITIES.



**Topographic Survey**  
of A Part of  
**Lacy Park**  
2134-North-Madison-Avenue  
City of Tulsa, Tulsa County, Oklahoma

**Surveyor's Certification**

WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOP SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS 7TH DAY OF JUNE, 2022.



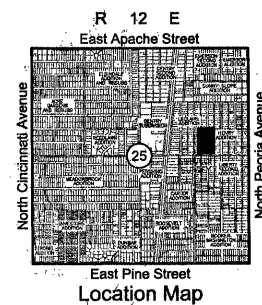
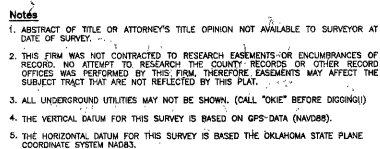
Cliff Bennett  
CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

REVISION	DATE
Additional Topo	06/01/22
FILE	2012.25
ORDER	221101
SURVEY DATE	06/06/22
SURVEY BY	DEP
DRAWN BY	BAP
CHECKED BY	COB
DATE	06/07/22
SCALE	
SHEET	2 OF 5



SURVEY			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
PLAN SCALE:	DRAWN	NM	09/26/2022
	DESIGNED	JR	09/26/2022
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
	LEAD ENGR.		
	FIELD MGR.		
	RECOMMENDED:		
	DESIGN MANAGER		
FILE:	DRAWING:		
		CITY ENGINEER	
		DATE: OCTOBER 7, 2022	
		SHEET C3	OF 43 SHEETS

THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALLACE ENGINEERING HAS NOT CONFIRMED ITS ACCURACY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.



- | Legend |                          |
|--------|--------------------------|
| AC     | AIR CONDITIONER          |
| BM     | BENCHMARK                |
| CC     | COMPRESSOR, CENTRAL PUMP |
| CE     | CLEAN OUT                |
| COP    | CORRUGATED PLASTIC PIPE  |
| COV    | COULVE, GEAR, DROP INLET |
| DI     | DIAPHRAGM IRON PIPE      |
| DO     | DOWNSPOUT                |
| DS     | DOWNSPOUT                |
| EM     | ELECTRIC MOTOR           |
| EP     | EXT. DISMOUNT CONNECTION |
| FH     | FIRE HYDRANT             |
| FL     | FLOOR                    |
| FL     | FLAG POLE                |
| GM     | GAS METER                |
| GR     | GAS RISER                |
| GUY    | GUY WIRE DOWN            |
| IDV    | IRRIGATION CONTROL VALVE |
| LD     | LIGHT                    |
| OE     | OVERHEAD ELECTRIC        |
| PO     | POLE                     |
| PVC    | POLYVINYL CHLORIDE PIPE  |
| RCP    | REINFORCED CONCRETE PIPE |
| SD     | STORM DRAIN LINE         |
| SDMH   | STORM DRAIN MANHOLE      |
| SM     | SANITARY SEWER MANHOLE   |
| SSMH   | SANITARY SEWER MANHOLE   |
| TD     | TOP OF GRADE             |
| TR     | TO TELEPHONE, PEDIESTAL  |
| TR     | TOP OF RIM               |
| UE     | UNDERGROUND ELECTRIC     |
| UG     | UNDERGROUND GAS          |
| VCP    | VATIFIED CLAY PIPE       |
| W      | WATER LINE               |
| WM     | WATER MAIN               |
| WM     | WATER VALVE              |
| WMR    | WATER MOTOR              |

**Topographic Survey**  
of A Part of  
**Lacy Park**  
**2134 North Madison Avenue**  
**City of Tulsa, Tulsa County, Oklahoma**

### Surveyor's Certification


WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS 7TH DAY OF JUNE, 2022.



BY: Cliff Bennett  
CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

REVISIONS	DATE	 <b>BENNETT SURVEYING, INC.</b> P.O. BOX 544, CHICAGO, IL 60654 PHONE: (312) 326-7400 FAX: (312) 326-7401 E-MAIL: BEN@BENNETT-SURV.COM WWW: WWW.BENNETT-SURV.COM	
Additional Topo	08/01/22		
FILE	2012.25	SURVEY BY: DEP	DATE: 08/06/22
ORDER:	221101	DRAWN BY:	SCALE: 1" = 40'
SURVEY DATE: 08/06/22	CHECKED BY: CDB	SHEET	3 OF 3



## SURVEY

PROJECT NUMBER SP 21-4

## LACY PARK IMPROVEMENTS

2134 N. MADISON PL., TULSA, OK 74106

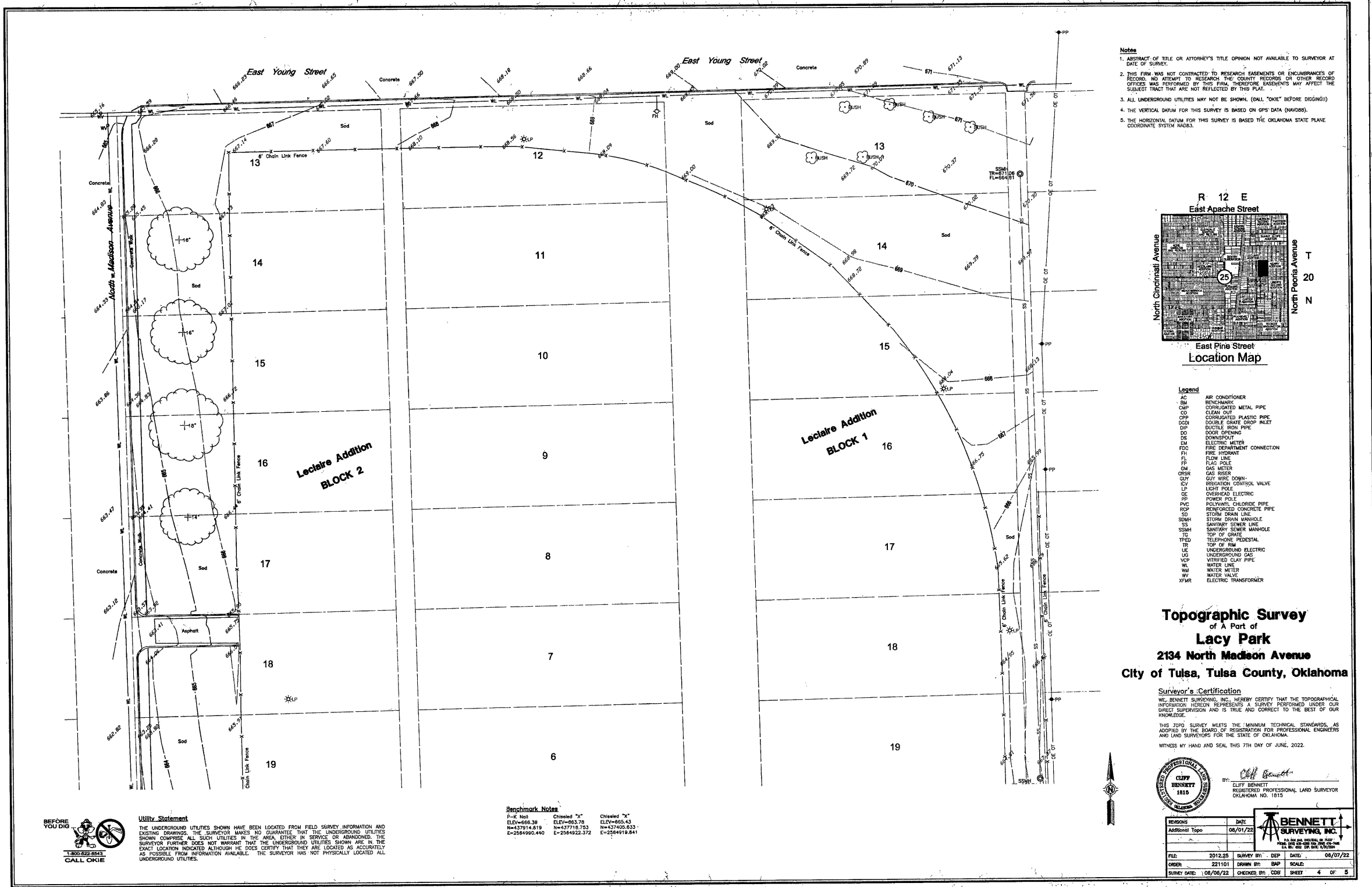
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

WALLACE DESIGN COLLECTIVE

[illegible]

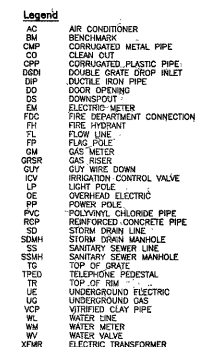
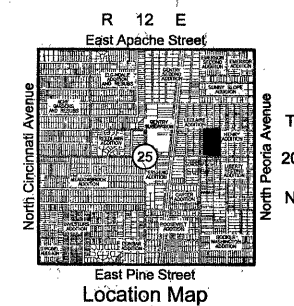
THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALLACE ENGINEERING HAS NOT CONFIRMED ITS ACCURACY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.



THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALLACE ENGINEERING HAS NOT CONFIRMED ITS ACCURACY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.

REVISION				BY	DATE

PLAN SCALE:				APPROVED:	
DRAWN	NM	09/28/2022			
DESIGNED	JR	09/28/2022			
SURVEY					
PROFILE SCALE:	PROJ. MGR.	GP 10/22			
HORIZONTAL:	LEAD ENGR.	Mark 11/22			
	FIELD MGR.	Don 2/23			
	RECOMMENDED:				
	DESIGN MANAGER				
FILE:	DRAWING:			CITY ENGINEER	
				DATE: OCTOBER 7, 2022	
				SHEET 05 OF 43 SHEETS	




**Surveyor's Certification**  
WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS 7TH DAY OF JUNE, 2022.



BY: Cliff Bennett  
CLIFF BENNETT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA NO. 1815

REVISED	DATE	 <b>BENNETT SURVEYING, INC.</b> 104 N. 10th St., University of Texas P.O. Box 10000, Austin, TX 78768 PHONE: (512) 333-7332 FAX: (512) 333-7333 E-MAIL: bennet@bennet-surveying.com
Additional Topic	08/01/22	

FILE:	2012.25	SURVEY BY:	DEP	DATE:	06/07
ORDER:	221101	DRAWN BY:	BAD	SCALE:	
SURVEY DATE:	06/08/22	CHECKED BY:	CDP	SHEET	5 OF 1



Utility Statement

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL UNDERGROUND UTILITIES.

**Benchmark Notes**

P-K Nail	Chiseled "X"	Chiseled "X"
ELEV=666.39	ELEV=663.78	ELEV=665.43
N=437914.619	N=437718.753	N=437405.833
E=2564990.440	E=2564922.372	E=2564919.841

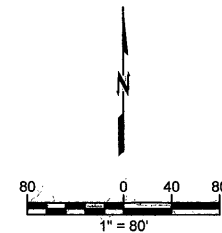
THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALLACE ENGINEERING HAS NOT CONFIRMED ITS ACCURACY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.

REVISION			BY	DATE	PLAN SCALE:			DRAWN	NM	09/26/2022	APPROVED:	
							DESIGNED	JIR	09/26/2022			
							SURVEY					
					PROFILE SCALE:		PROJ. MGR.					
					HORIZONTAL:		LEAD ENGR.					
							FIELD MGR.					
							RECOMMENDED:					
					VERTICAL:							
							DESIGN MANAGER				CITY ENGINEER	
					FILE:		DRAWING:				DATE: OCTOBER 7, 2022	
											SHEET 06 OF 43 SHEETS	

\\CIVIL-SERVER\Projects\2140328 Lacy Park Improvements\Drawings\PRODUCTION\2140328 C300 Demolition and EC Plan Overall.dwg PLOT: 10/7/2022 5:12:00 PM ORIG SIZE: 22"X34"



LEGEND	
	ASPHALT TO BE REMOVED
	CONCRETE TO BE REMOVED
	STABILIZED CONSTRUCTION ENTRANCE RE: COT STD 126
	SILT FENCE RE: 1/C25 & COT STD 126
	TREE PROTECTION FENCE
	TEMPORARY SILT DIKE INLET PROTECTION RE: ODOT STD TSD-2
	ODOT TEMPORARY ROCK FILTER DAM RE: ODOT STD TRFD-1



OVERALL DEMOLITION AND EROSION CONTROL PLAN	
PROJECT NUMBER SP 21-4	
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: WALLACE DESIGN COLLECTIVE	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	NM	09/28/2022	APPROVED:
			DESIGNED	JR		09/28/2022	
			SURVEY				
			PROFILE SCALE:	PROJ. MGR.	ES	10/22	
			HORIZONTAL:	LEAD ENGR.	2140 1/22		
				FIELD MGR.	2140 1/22		
				RECOMMENDED:			
			VERTICAL	DESIGN MANAGER			CITY ENGINEER
			FILE:	DRAWING:			DATE: OCTOBER 7, 2022
							SHEET C7 OF 43 SHEETS



CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23



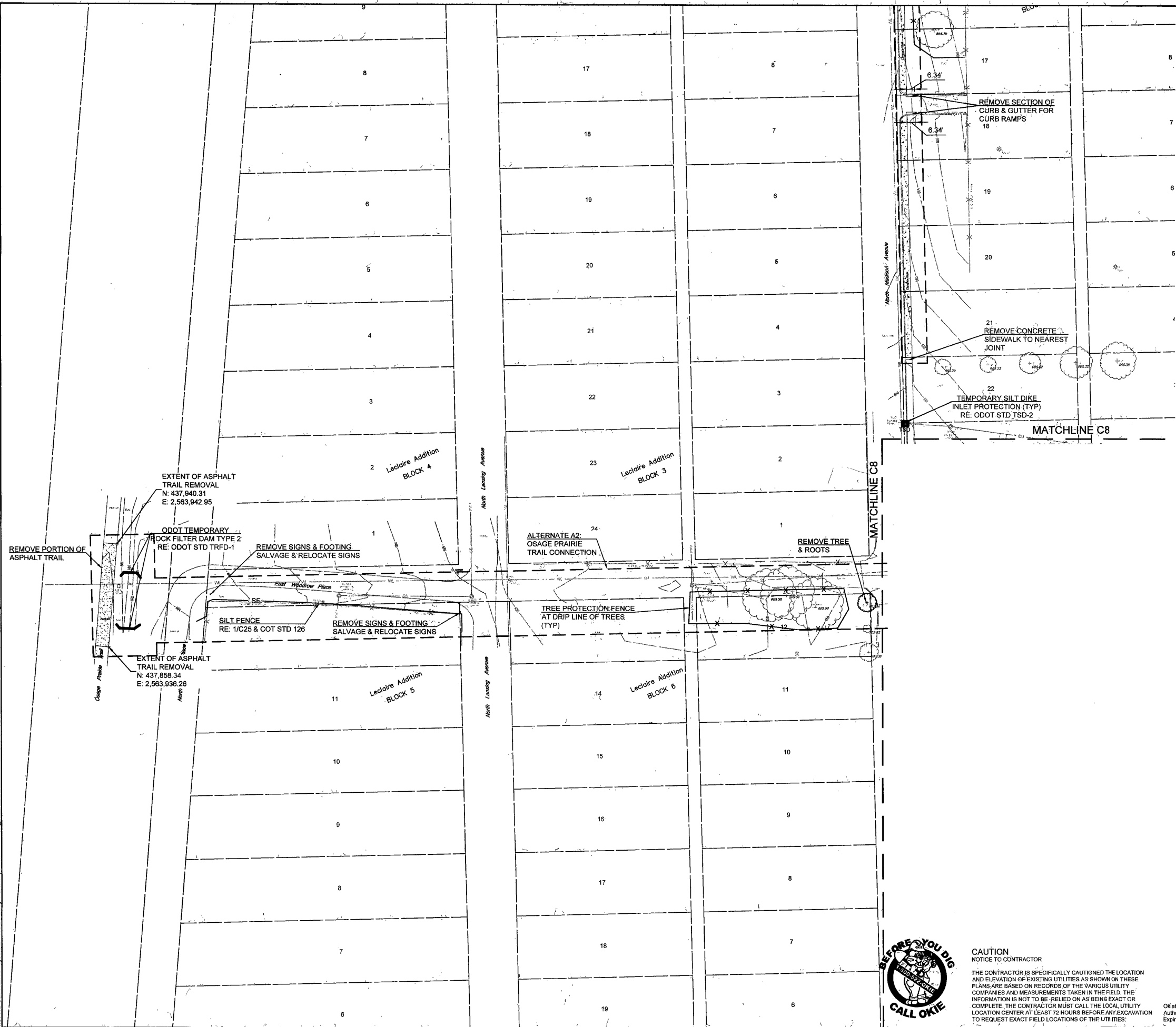


PLOT:10/7/2022 5:12:06 PM



1. ALL CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW CUT FULL DEPTH AND REMOVED OFF SITE.
2. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
3. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS OFF SITE.
4. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ALL COST SHALL BE INCLUDED IN BASE BID.
5. WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED. IN DESIGNATED PROTECTION AREAS WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE ARCHITECT.
7. CONTRACTOR SHALL PROTECT ALL ABOVE GROUND UTILITY FEATURES NOT BEING REMOVED INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVES, AND INLETS. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
8. TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE, WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEED AND MULCH PER SPECIFICATIONS ON THE GENERAL NOTES AND STORMWATER POLLUTION PREVENTION PLAN.
9. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LANE CLOSURES, DETOURS, ETC. BOTH VEHICULAR AND PEDESTRIAN.
10. CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY SERVICE IF REQUIRED.
11. CONTRACTOR SHALL ENSURE CONSTRUCTION SITE HAS POSITIVE DRAINAGE THROUGHOUT THE DURATION OF CONSTRUCTION.
12. PRIOR TO UTILITY DEMOLITION COORDINATE WITH AUTHORITY HAVING JURISDICTION.
13. UTILITIES BEING REMOVED OR RELOCATED SHALL BE ISOLATED AND SERVICE DISCONNECTED PRIOR TO ANY DEMOLITION.
14. NO UTILITY INTERRUPTIONS WILL BE ALLOWED WITHOUT CONSENT OF THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF FOUR WORKING DAYS PRIOR TO THE REQUESTED SHUT DOWN.

© 2022 COPYRIGHT GH2 ARCHITECTS, LLC



GENERAL DEMOLITION NOTES

1. ALL CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW CUT FULL DEPTH AND REMOVED OFF SITE.
2. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
3. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS OFF SITE.
4. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ALL COST SHALL BE INCLUDED IN BASE BID.
5. WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED. IN DESIGNATED PROTECTION AREAS WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE ARCHITECT.
7. CONTRACTOR SHALL PROTECT ALL ABOVE GROUND UTILITY FEATURES NOT BEING REMOVED INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVES, AND INLETS. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
8. TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE, WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEED AND MULCH PER SPECIFICATIONS ON THE GENERAL NOTES AND STORMWATER POLLUTION PREVENTION PLAN.
9. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LANE CLOSURES, DETOURS, ETC. BOTH VEHICULAR AND PEDESTRIAN.
10. CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY SERVICE IF REQUIRED.
11. CONTRACTOR SHALL ENSURE CONSTRUCTION SITE HAS POSITIVE DRAINAGE THROUGHOUT THE DURATION OF CONSTRUCTION.
12. PRIOR TO UTILITY DEMOLITION COORDINATE WITH AUTHORITY HAVING JURISDICTION.
13. UTILITIES BEING REMOVED OR RELOCATED SHALL BE ISOLATED AND SERVICE DISCONNECTED PRIOR TO ANY DEMOLITION.
14. NO UTILITY INTERRUPTIONS WILL BE ALLOWED WITHOUT CONSENT OF THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF FOUR WORKING DAYS PRIOR TO THE REQUESTED SHUT DOWN.

LEGEND



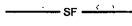
ASPHALT TO BE REMOVED



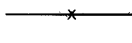
CONCRETE TO BE REMOVED



STABILIZED CONSTRUCTION ENTRANCE  
RE: COT STD 126



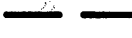
SILT FENCE  
RE: 1/C25 & COT STD 126



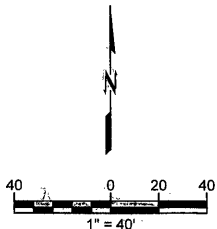
TREE PROTECTION FENCE



TEMPORARY SILT DIKE INLET PROTECTION  
RE: ODOT STD TSD-2



ODOT TEMPORARY ROCK FILTER DAM  
RE: ODOT STD TRFD-1



DEMOLITION AND EROSION CONTROL PLAN

PROJECT NUMBER SP 21-4

LACY PARK IMPROVEMENTS  
2134 N. MADISON PL., TULSA, OK 74106

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
WALLACE DESIGN COLLECTIVE

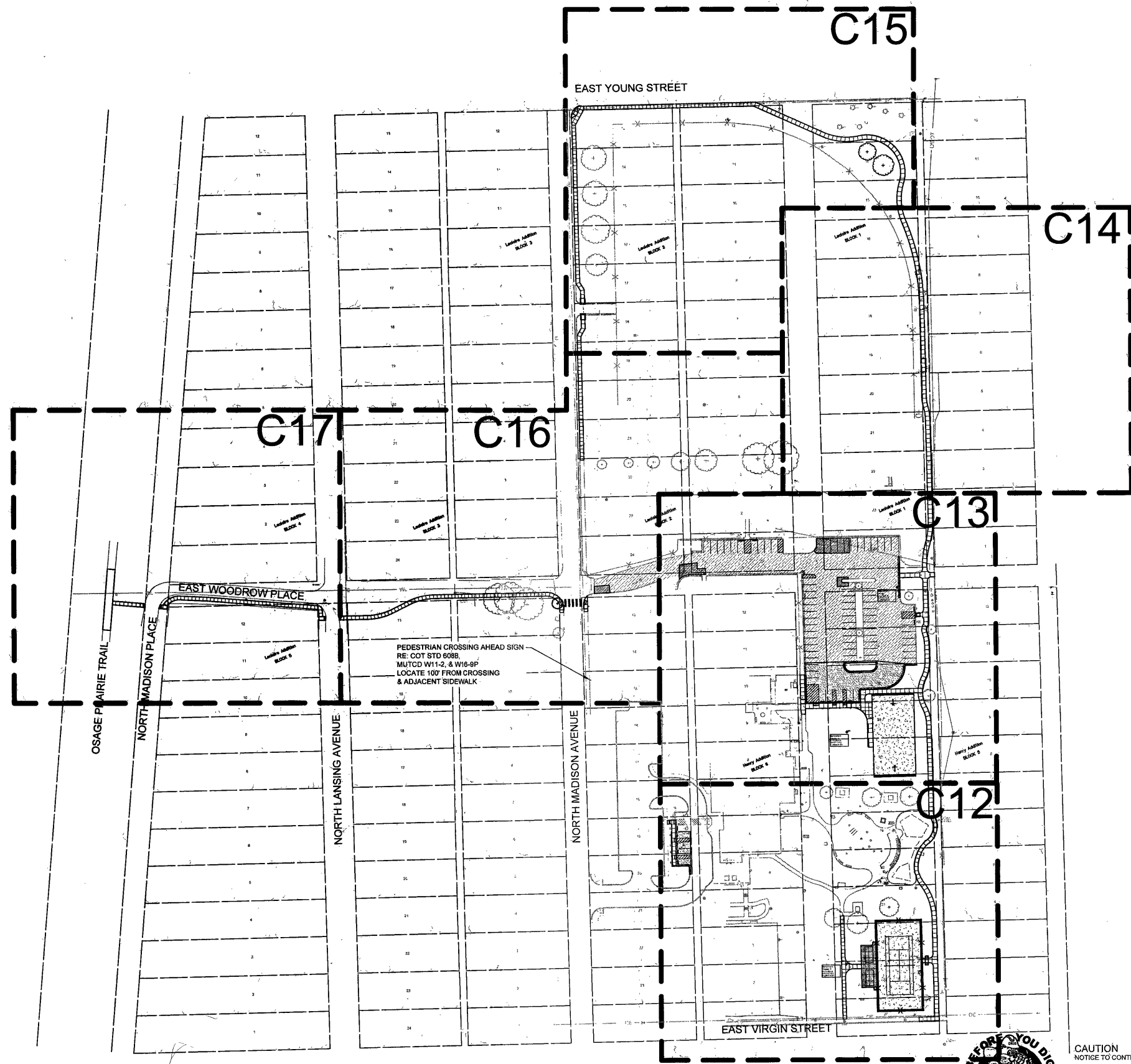
REVISION			BY	DATE	PLAN SCALE:	DESIGNED	NM	09/28/2022	APPROVED:
						DESIGNED	JR	09/26/2022	
						SURVEY			
					PROFILE SCALE:	PROJ. MGR.		10/10/22	
					HORIZONTAL:	LEAD ENGR.		10/10/22	
						FIELD MGR.		10/10/22	
					VERTICAL	RECOMMENDED:			
						DESIGN MANAGER			CITY ENGINEER
					FILE:	DRAWING			DATE: OCTOBER 7, 2022
									SHEET C10 OF 43 SHEETS



CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of Authorization #1460  
Expiration Date: 6/30/23



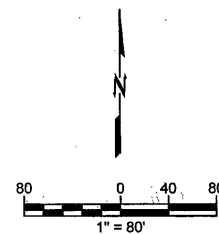
CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date 9/30/23

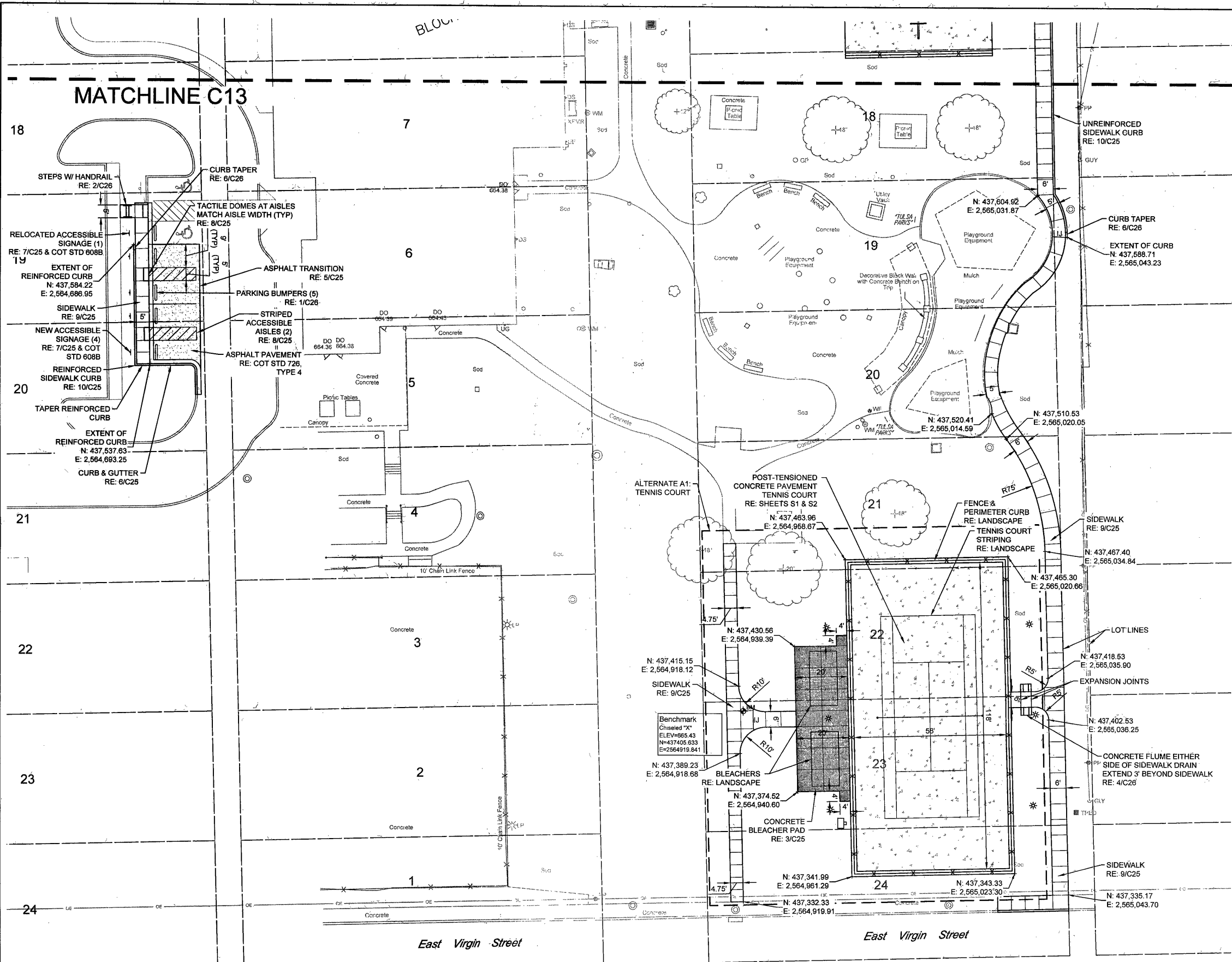
PARKING SUMMARY	
PROVIDED PARKING:	
STANDARD:	108
ACCESSIBLE:	7
VAN ACCESSIBLE:	7
TOTAL PROVIDED PARKING:	122

LEGEND	
	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	ASPHALT PATCH RE: 3/C25
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



OVERALL SITE PLAN	
PROJECT NUMBER SP 21-4	
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: WALLACE DESIGN COLLECTIVE	
REVISION	BY DATE
PLAN SCALE:	DRAWN NM 09/28/2022
	DESIGNED JR 09/28/2022
	SURVEY
PROFILE SCALE:	PROJ. MGR.
	LEAD ENGR.
HORIZONTAL:	FIELD MGR. <i>Wuk 2/23</i>
	RECOMMENDED:
VERTICAL	DESIGN MANAGER
FILE:	DRAWING:
APPROVED:	
CITY ENGINEER	
DATE: OCTOBER 7, 2022	
SHEET C11 OF 43 SHEETS	

\\CIVIL-SERVER\Projects\2140328 Lacy Park Improvements\DWG\PRODUCTION\2140328 C401+ Site Plan.dwg PLOT:12/16/2022 10:28:04 AM ORG SIZE:22"x34"

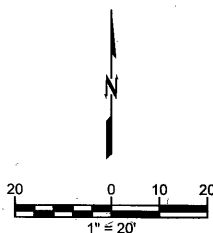


#### GENERAL NOTES

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
- ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
- ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
- RADII = 2'-00" U.N.O.
- CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
- FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
- FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
- CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
- JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
- JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
- LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
- CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

#### LEGEND

	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: 3/C25
	ASPHALT PATCH RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



SITE PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: WALLACE DESIGN COLLECTIVE			
REVISION	BY	DATE	APPROVED:
PLAN SCALE:	DRAWN	NM	09/28/2022
	DESIGNED	JR	09/28/2022
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
	LEAD ENGR.		
HORIZONTAL:	FIELD MGR.		
	RECOMMENDED:		
VERTICAL	DESIGN MANAGER		
FILE:	DRAWING:		
			CITY ENGINEER
			DATE: OCTOBER 7, 2022
			SHEET C12 OF 43 SHEETS



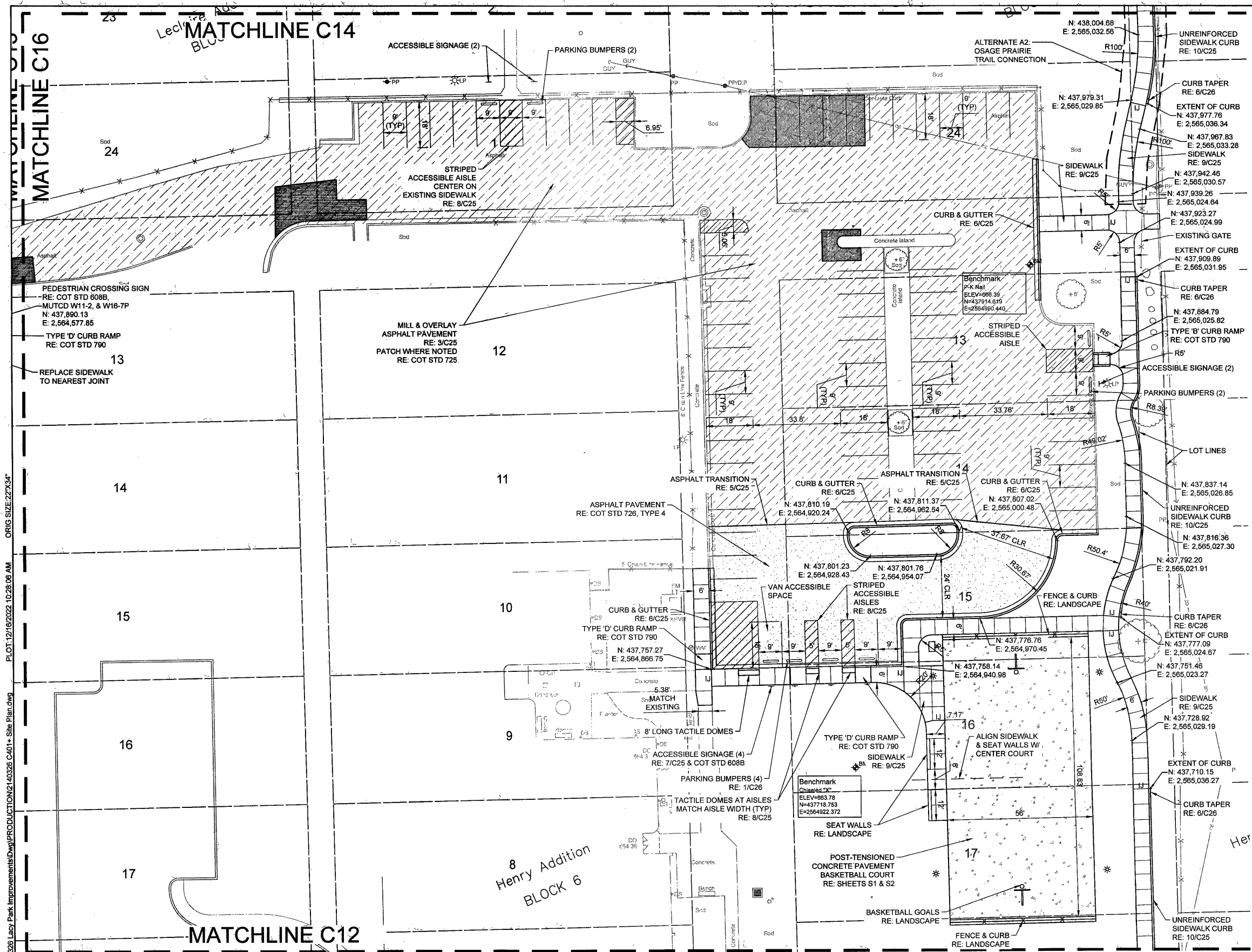
#### CAUTION

##### NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of Authorization #1460  
Expiration Date: 6/30/23

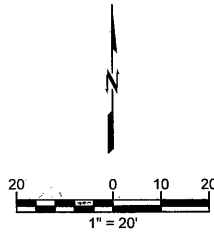




- GENERAL NOTES**
1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
  2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  4. REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
  5. ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
  6. RADII = 2'-00" U.N.O.
  7. CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
  8. FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
  9. FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
  10. CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
  11. JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
  12. JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
  13. LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
  14. CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

**LEGEND**

	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: 3/C25
	ASPHALT PATCH RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



SITE PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
REVISION	BY	DATE	PLAN SCALE:
			DRAWN
			DESIGNED
			SURVEY
			PROFILE SCALE:
			PROJ. MGR.
			LEAD ENGR.
			FIELD MGR.
			HORIZONTAL:
			RECOMMENDED:
			DESIGN MANAGER
			FILE:
			VERTICAL:
			DRAWING:
			CITY ENGINEER
			DATE: OCTOBER 7, 2022

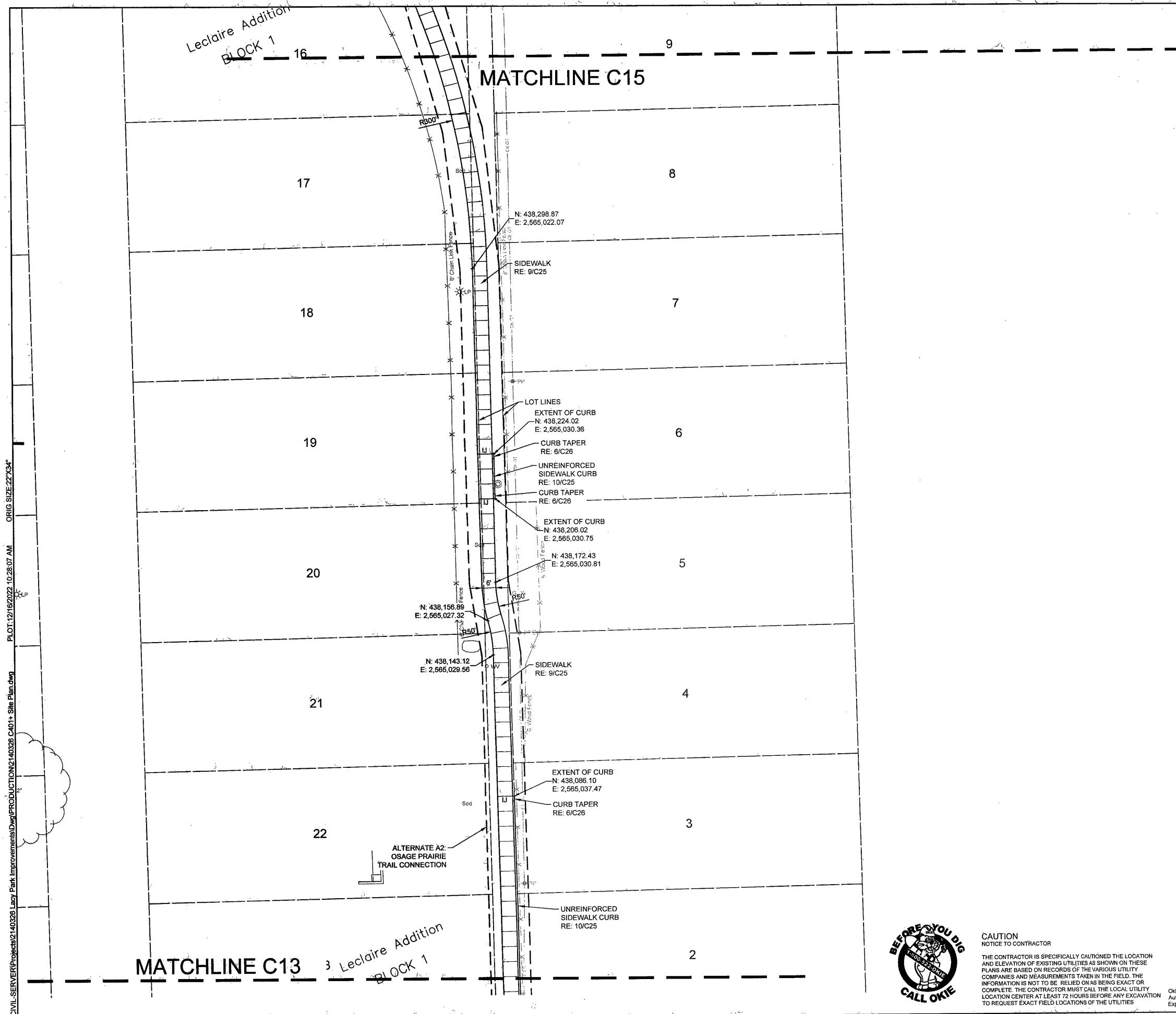


**CAUTION**  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

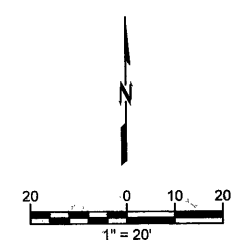
Oklahoma Certificate of Authorization #1460  
Expiration Date: 9/30/23

ORIG SIZE: 22"x34"  
PLOT: 12/16/2022 10:28:06 AM  
C:\Users\jrodich\OneDrive\Documents\2134 N. Madison Pl. Site Plan.dwg  
JORDAN RODICH  
26548  
10/07/2022



- GENERAL NOTES**
1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
  2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  4. REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
  5. ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
  6. RADII = 2'-00" U.N.O.
  7. CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
  8. FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
  9. FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
  10. CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
  11. JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
  12. JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
  13. LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
  14. CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

LEGEND	
	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: 3/C25
	ASPHALT PATCH RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



SITE PLAN	
PROJECT NUMBER SP 21-4	
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: <b>WALLACE DESIGN COLLECTIVE</b>	
REVISION	BY DATE
PLAN SCALE:	DRAWN: NM 09/26/2022
	DESIGNED: JR 09/28/2022
	SURVEY
PROFILE SCALE:	PROJ. MGR.
HORIZONTAL:	LEAD ENGR.
	FIELD MGR.
VERTICAL:	RECOMMENDED:
	DESIGN MANAGER
FILE:	DRAWING:
APPROVED:	
CITY ENGINEER	
DATE: OCTOBER 7, 2022	
SHEET C14 OF 43 SHEETS	

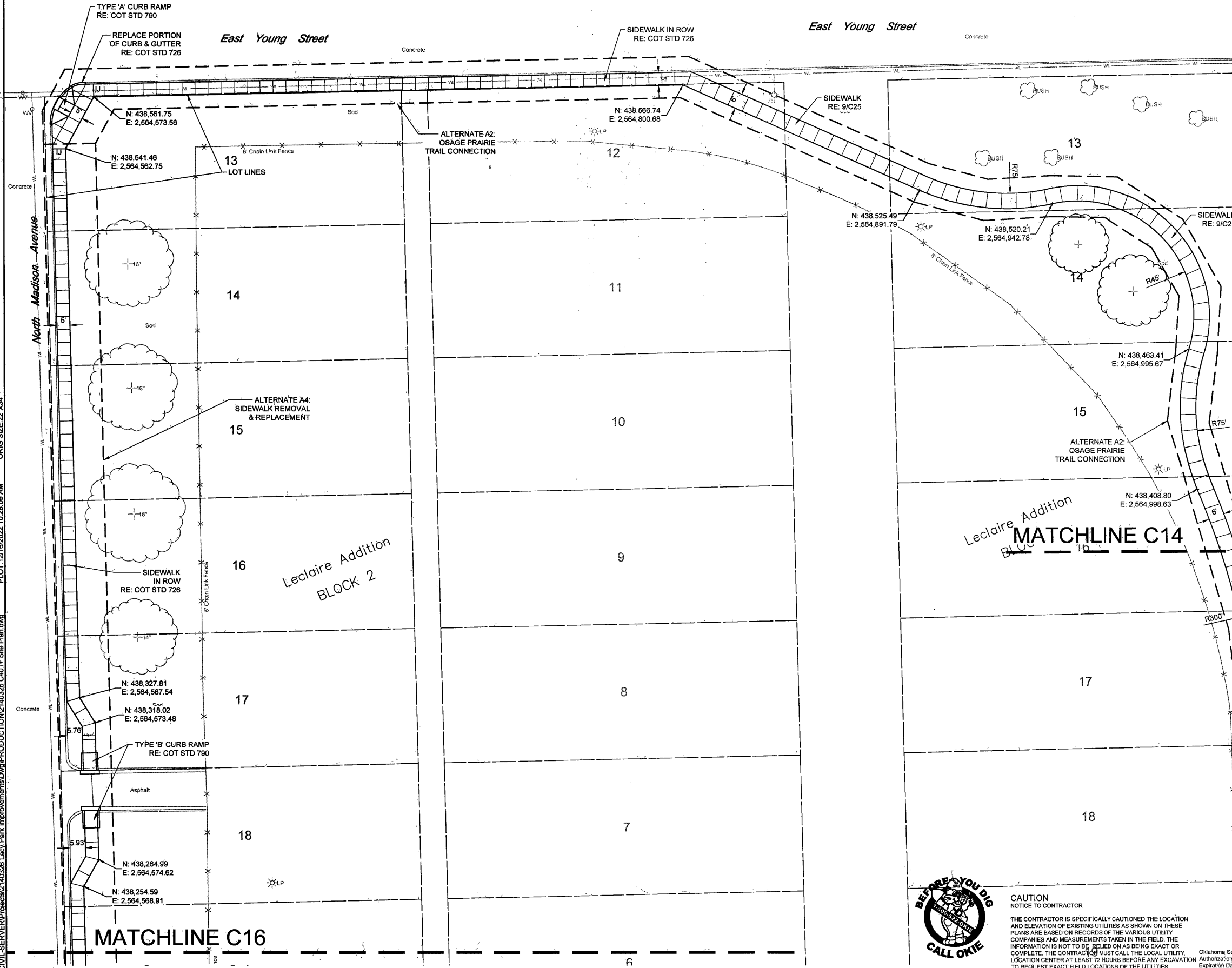


**CAUTION  
NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23

\\CIVIL-SERVER\Projects\2140328 Lacy Park Improvements\Drawings\PRODUCTION\2140328 C401+ Site Plan.dwg PLOT:12/16/2022 10:28:09 AM ORIG SIZE:22"x34"

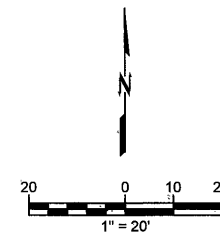


#### GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
4. REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
5. ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
6. RADII = 2'-00" U.N.O.
7. CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
8. FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
9. FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
10. CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
11. JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
12. JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
13. LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
14. CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

#### LEGEND

	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: 3/C25
	ASPHALT PATCH RE: COT STD 726, TYPE 1 AC PATCH NON-ARTERIAL
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



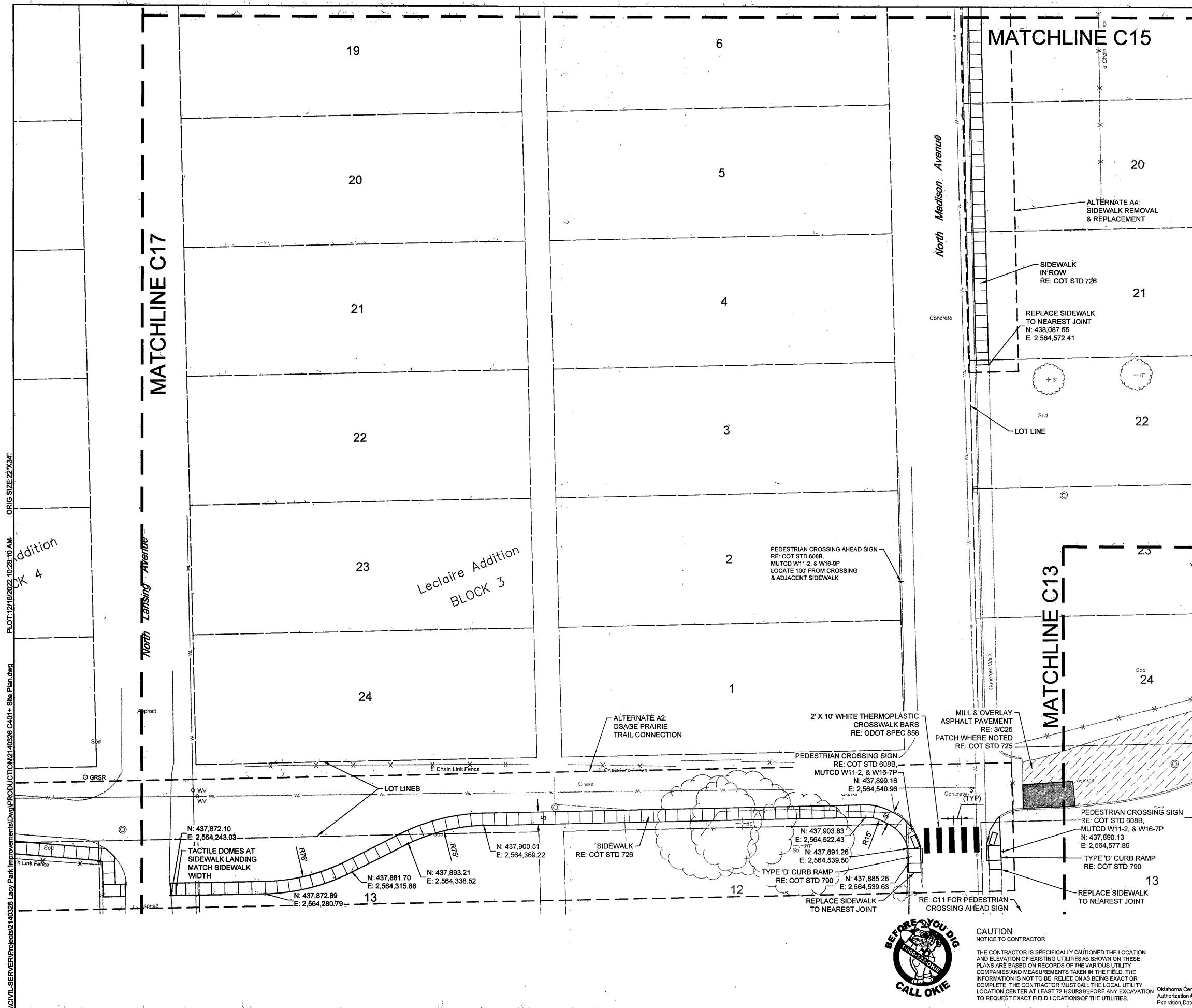
SITE PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
REVISION		PLAN SCALE:	
BY		DRAWN	
DATE		NM	
		09/26/2022	
		APPROVED:	
		DESIGNED	
		JR	
		09/26/2022	
		SURVEY	
		PROFILE SCALE:	
		PROJ. MGR.	
		LEAD ENGR.	
		HORIZONTAL:	
		FIELD MGR.	
		RECOMMENDED:	
		DESIGN MANAGER	
		CITY ENGINEER	
		FILE:	
		DRAWING:	
		DATE: OCTOBER 7, 2022	
		SHEET C15 OF 43 SHEETS	



#### CAUTION NOTICE TO CONTRACTOR






THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

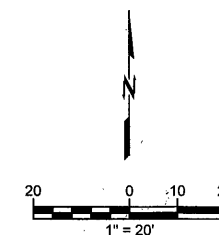
Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23



- ## GENERAL NOTES
1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
  2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  4. REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
  5. ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
  6. RADII = 2'-00" U.N.O.
  7. CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
  8. FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
  9. FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
  10. CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
  11. JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
  12. JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5" THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
  13. LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
  14. CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

## LEGEND

	<b>ASPHALT PAVEMENT</b> RE: COT STD 726, SECTION 3
	<b>ASPHALT MILL &amp; OVERLAY</b> RE: 3/C25
	<b>ASPHALT PATCH</b> RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	<b>POST TENSIONED CONCRETE PAVEMENT</b> RE: SHEETS S1 & S2
	<b>CONCRETE BLEACHER PAD</b> RE: 3/C25



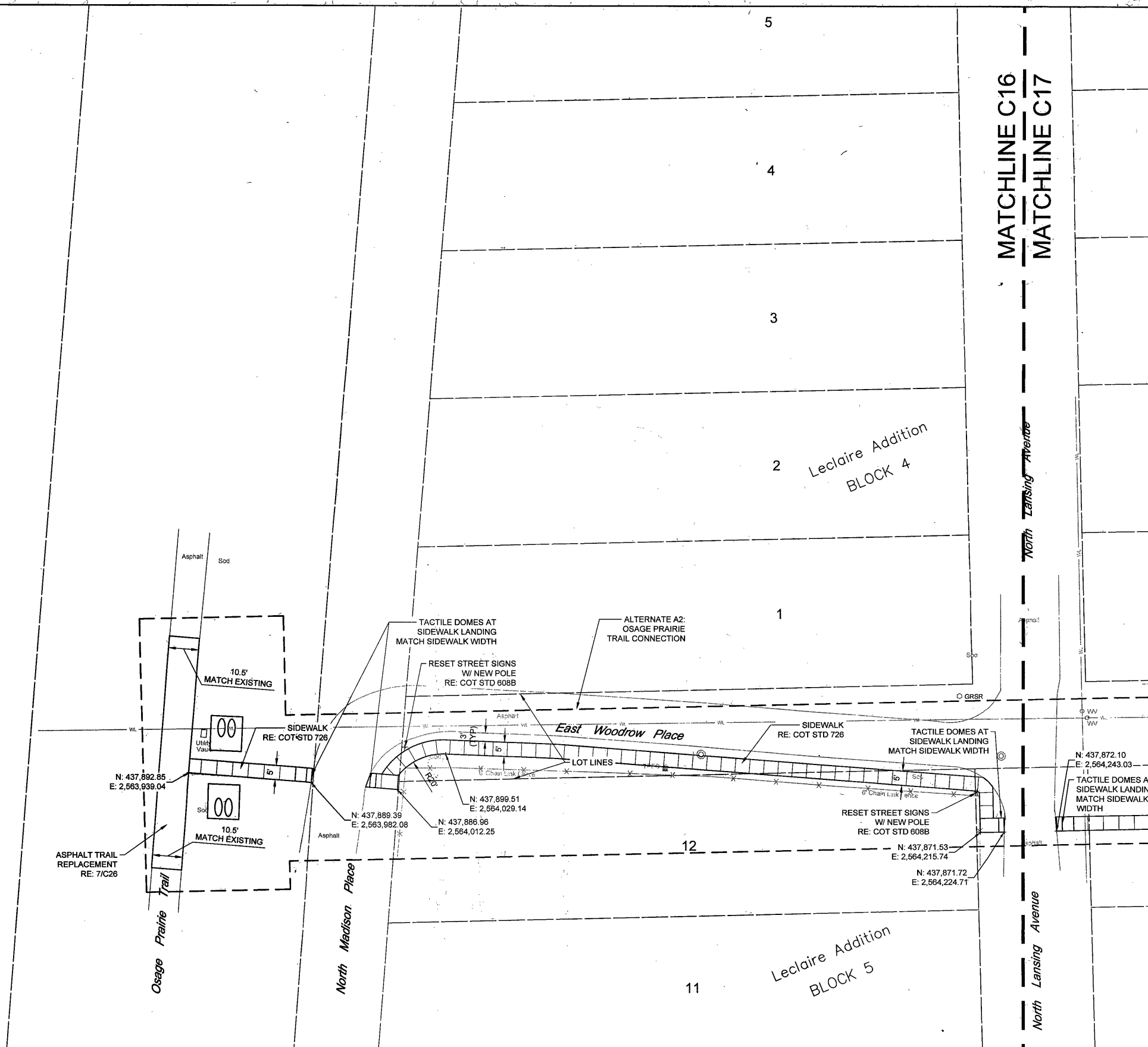
SITE PLAN					
PROJECT NUMBER SP 21-4					
LACY PARK IMPROVEMENTS					
2134 N. MADISON PL., TULSA, OK 74106					
CITY OF TULSA, OKLAHOMA					
ENGINEERING SERVICES DEPARTMENT					
PLANS AND ESTIMATES PREPARED BY:					
WALLACE DESIGN COLLECTIVE					
DATE	PLAN SCALE:	DRAWN	NM	09/26/2022	APPROVED:
		DESIGNED	JR	09/26/2022	
		SURVEY			
	PROFILE SCALE:	PROJ. MGR.			
	HORIZONTAL:	LEAD ENGR.			
		FIELD MGR.			
		RECOMMENDED:			
	VERTICAL				
		DESIGN MANAGER			
					CITY ENGINEER
	FILE:	DRAWING:			DATE: OCTOBER 7, 2022
					SHEET C16 OF 43 SHEETS

**CAUTION**  
**NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

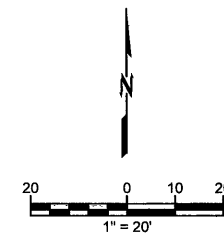
ION Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/2

\\CIVIL-SERVER\Projects\2140326 Lacy Park Improvements\Drawings\PRODUCTION\2140326 C401- Site Plan.dwg PLOT:12/16/2022 10:28:11 AM ORIG SIZE:22"x34"



- ### GENERAL NOTES
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
  - ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
  - REFER TO LANDSCAPE PLANS FOR GRASS, TREES AND PLANTED MATERIALS.
  - ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
  - RADII = 2'-00" U.N.O.
  - CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
  - FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WITH FACES PERPENDICULAR TO SURFACE PLAN OF CONCRETE. WHEN JOINING EXISTING PAVING, PLACE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
  - FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING LIGHT STANDARD FOUNDATIONS, MANHOLES, INLETS, STRUCTURES, OR OTHER FIXED OBJECTS. EXTEND JOINT FILLERS THE FULL WIDTH AND DEPTH OF PAVEMENT.
  - CONTRACTION JOINT DEPTH TO BE 1/4 OF THE TOTAL CONCRETE THICKNESS.
  - JOINTS SHOULD EXTEND THROUGH ADJACENT CURB AND GUTTER.
  - JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS (E.G. 0.5' THICK CONCRETE x 30 = 15' MAXIMUM JOINT SPACING), WITH A MAXIMUM SPACING OF 15 FEET.
  - LAYOUT JOINTS TO FORM SQUARE PANELS. WHEN THIS IS NOT PRACTICAL, RECTANGULAR PANELS CAN BE USED, BUT THE LENGTH SHALL NOT BE MORE THAN 25% LONGER THAN THE WIDTH (E.G. A 15' LONG PANEL CANNOT BE WIDER THAN 12').
  - CONTRACTOR TO SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PAVING OPERATIONS.

LEGEND	
	ASPHALT PAVEMENT RE: COT STD 726, SECTION 3
	ASPHALT MILL & OVERLAY RE: 3/C25
	ASPHALT PATCH RE: COT STD 725, TYPE 1 AC PATCH NON-ARTERIAL
	POST TENSIONED CONCRETE PAVEMENT RE: SHEETS S1 & S2
	CONCRETE BLEACHER PAD RE: 3/C25



SITE PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
REVISION	BY	DATE	PLAN SCALE:
			DRAWN NM 09/26/2022
			DESIGNED JR 09/28/2022
			SURVEY
			PROJ. MGR.
PROFILE SCALE:			LEAD ENGR.
			FIELD MGR. <i>WDC</i> 10/2/23
HORIZONTAL:			RECOMMENDED:
VERTICAL			DESIGN MANAGER
FILE:			CITY ENGINEER
DRAWING:			DATE: OCTOBER 7, 2022
			SHEET C17 OF 43 SHEETS

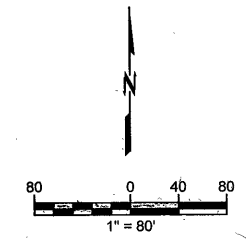
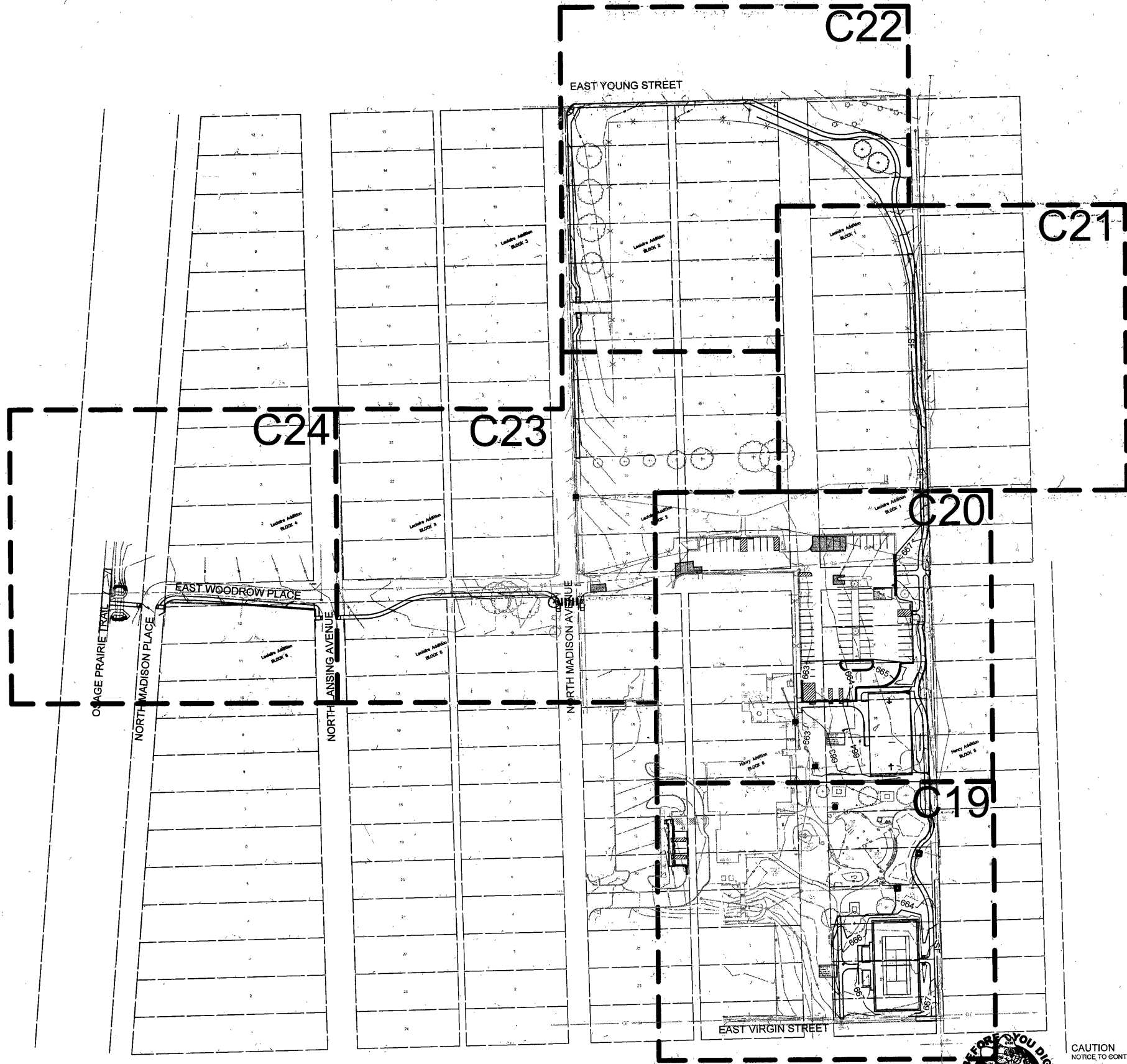


#### CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23





CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23

REVISION	BY	DATE	PLAN SCALE:	DRAWN	NM	09/28/2022	APPROVED:
			DESIGNED	JR		09/28/2022	
			SURVEY				
			PROFILE SCALE:	PROJ. MGR.		09/10/22	
			HORIZONTAL:	LEAD ENGR.		09/11/22	
			VERTICAL:	FIELD MGR.		09/11/22	
				RECOMMENDED:			
				DESIGN MANAGER			CITY ENGINEER
			FILE:	DRAWING:			DATE: OCTOBER 7, 2022
							SHEET C18 OF 43 SHEETS

OVERALL GRADING & UTILITY PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			



Herms  
BLOCK 6



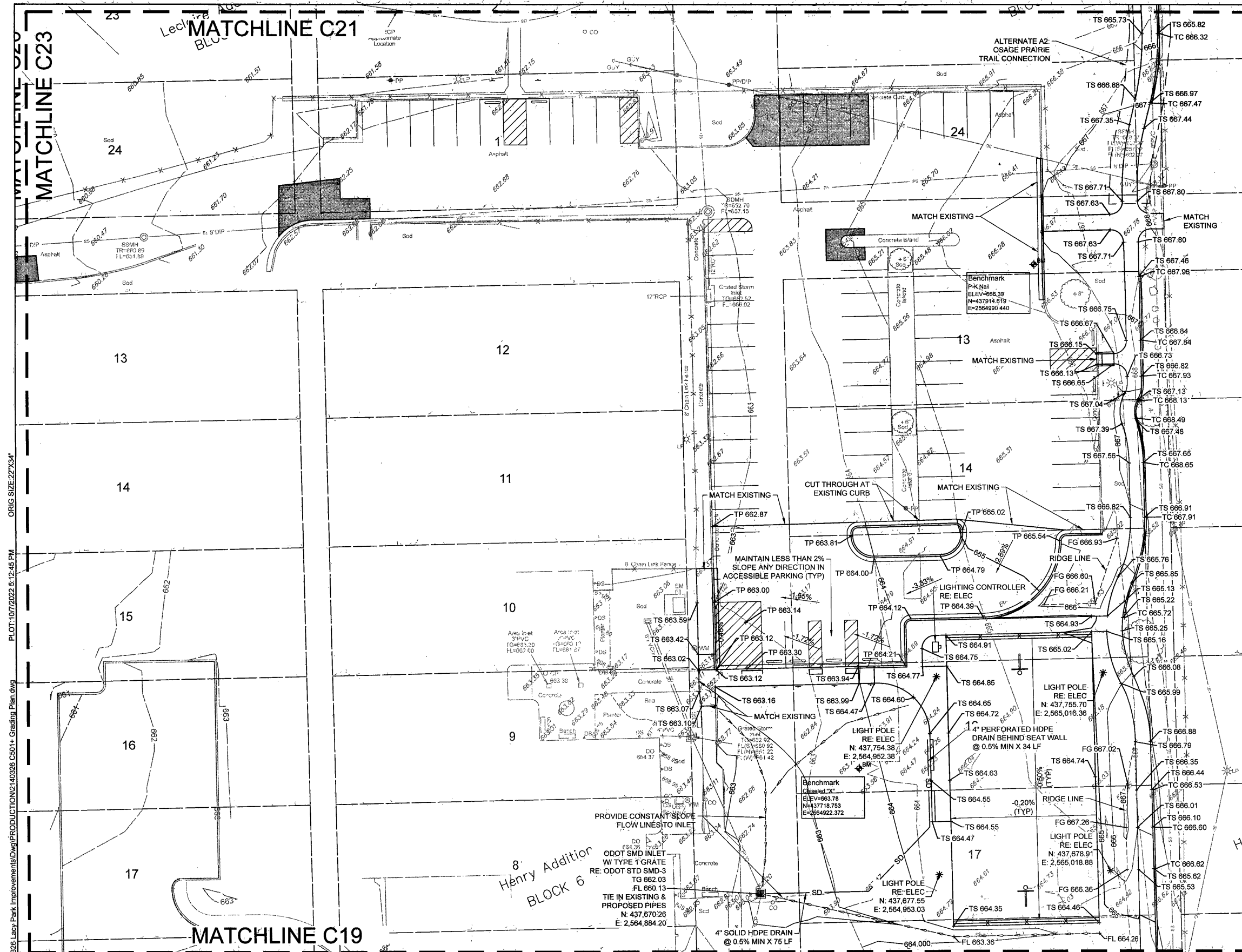
Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23

CONSTRUCTION DOCUMENTS      GH2 PROJECT #: 20140022.05      © 2022 COPYRIGHT GH2 ARCHITECTS, LLC



**CAUTION**  
**NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

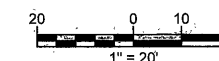


#### GENERAL GRADING NOTES:

1. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED & INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS.
4. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
5. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS AND SHALL MAINTAIN POSITIVE DRAINAGE OF ENTIRE SITE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING. TEMPORARY DEWATERING, INCLUDING PUMPING, MAY BE REQUIRED AND SHALL BE INCLUDED IN THE SCOPE OF WORK.
6. ALL SIDEWALKS AND RAMPS TO HAVE MAXIMUM LONGITUDINAL SLOPE OF 5% AND MAXIMUM CROSS SLOPE OF 2%.
7. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

#### GENERAL UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
3. NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. STORM TRENCH DETAIL RE: 5/C26.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
8. CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, AND REQUIREMENTS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (i.e. UNDERGROUND UTILITIES, SIDEWALKS, ETC.). CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE.
9. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.



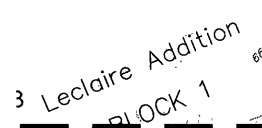
GRADING & UTILITY PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
REVISION	BY	DATE	PLAN SCALE:
			DRAWN: NM 09/26/2022
REVISION	BY	DATE	DESIGNED: JR 09/26/2022
			SURVEY
REVISION	BY	DATE	PROFILE SCALE:
			PROJ. MGR. EJ 10/2/22
REVISION	BY	DATE	LEAD ENGR. JRM 10/2/22
			FIELD MGR. JRM 9/22
REVISION	BY	DATE	HORIZONTAL:
			RECOMMENDED:
REVISION	BY	DATE	DESIGN MANAGER
			CITY ENGINEER
REVISION	BY	DATE	FILE:
			DRAWING:
REVISION	BY	DATE	DATE: OCTOBER 7, 2022
			SHEET C20 OF 43 SHEETS



#### CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23



1. PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
3. NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. STORM TRENCH DETAIL RE: 5/C26.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
8. CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, AND REQUIREMENTS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (i.e. UNDERGROUND UTILITIES, SIDEWALKS, ETC...). CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE.
9. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.



<b>GRADING &amp; UTILITY PLAN</b>					
<b>PROJECT NUMBER SP 21-4</b>					
<b>LACY PARK IMPROVEMENTS</b>					
<b>2134 N. MADISON PL., TULSA, OK 74106</b>					
<b>CITY OF TULSA, OKLAHOMA</b>					
<b>ENGINEERING SERVICES DEPARTMENT</b>					
<b>PLANS AND ESTIMATES PREPARED BY:</b>					
<b>WALLACE DESIGN COLLECTIVE</b>					
E	PLAN SCALE:	DRAWN DESIGNED SURVEY	N/M JR  	09/28/2022 09/28/2022  	APPROVED:
	PROFILE SCALE:	PROJ. MGR.	GO 10/12		
	HORIZONTAL:	LEAD ENGR.	JWH 4/12		
		FIELD MGR.	TOW 2/23		
	VERTICAL	RECOMMENDED:  DESIGN MANAGER _____			
	FILE:	DRAWING:			CITY ENGINEER _____
DATE: OCTOBER 7, 2022					SHEET C21 OF 43 SHEETS



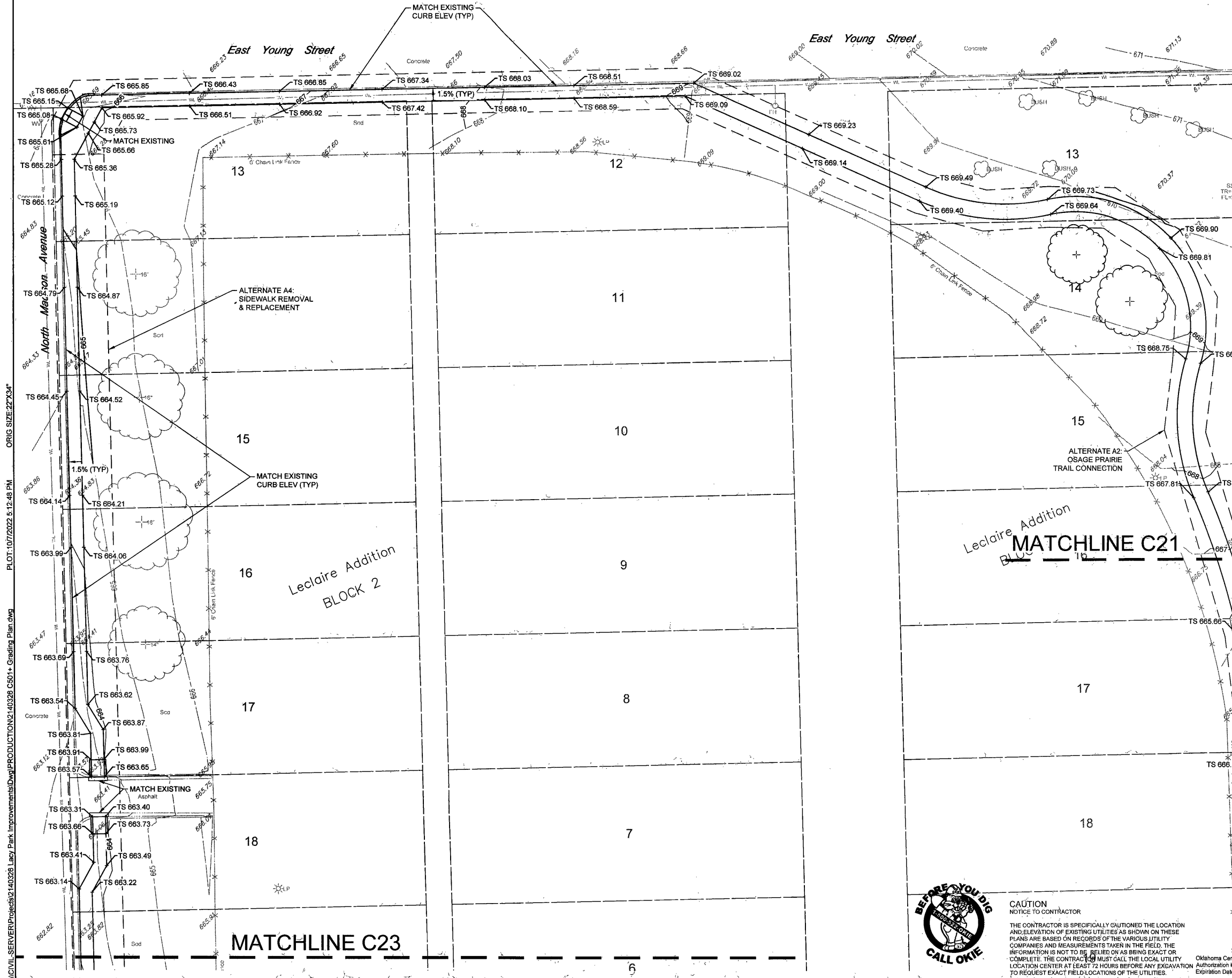
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

© 2022 COPYRIGHT GH2 ARCHITECTS, LLC

ORIG SIZE 22"x34"

PLOT 10/7/2022 5:12:48 PM

C:\CIVIL\SERVER\Projects\2140326 Lacy Park Improvements\Drawings\PRODUCTION\2140326 C5014 Grading Plan.dwg



#### GENERAL GRADING NOTES:

1. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED & INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS.
4. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
5. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS AND SHALL MAINTAIN POSITIVE DRAINAGE OF ENTIRE SITE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING. TEMPORARY DEWATERING, INCLUDING PUMPING, MAY BE REQUIRED AND SHALL BE INCLUDED IN THE SCOPE OF WORK.
6. ALL SIDEWALKS AND RAMPS TO HAVE MAXIMUM LONGITUDINAL SLOPE OF 5% AND MAXIMUM CROSS SLOPE OF 2%.
7. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

#### GENERAL UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
3. NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. STORM TRENCH DETAIL RE: 5/C28.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
8. CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, AND REQUIREMENTS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (i.e. UNDERGROUND UTILITIES, SIDEWALKS, ETC.). CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE.
9. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.



GRADING & UTILITY PLAN					
PROJECT NUMBER SP 21-4					
LACY PARK IMPROVEMENTS					
2134 N. MADISON PL., TULSA, OK 74106					
CITY OF TULSA, OKLAHOMA					
ENGINEERING SERVICES DEPARTMENT					
PLANS AND ESTIMATES PREPARED BY:					
WALLACE DESIGN COLLECTIVE					
E	PLAN SCALE:	DRAWN	NM	09/28/2022	APPROVED:
		DESIGNED	JR	09/28/2022	
		SURVEY			
	PROFILE SCALE:	PROJ. MGR.	GC	10/22	
	HORIZONTAL:	LEAD ENGR.	JR	11/22	
		FIELD MGR.	JR	7/23	
		RECOMMENDED:			
	VERTICAL	DESIGN MANAGER			CITY ENGINEER
	FILE:	DRAWING:			DATE: OCTOBER 7, 2022
					SHEET C22 OF 43 SHEETS



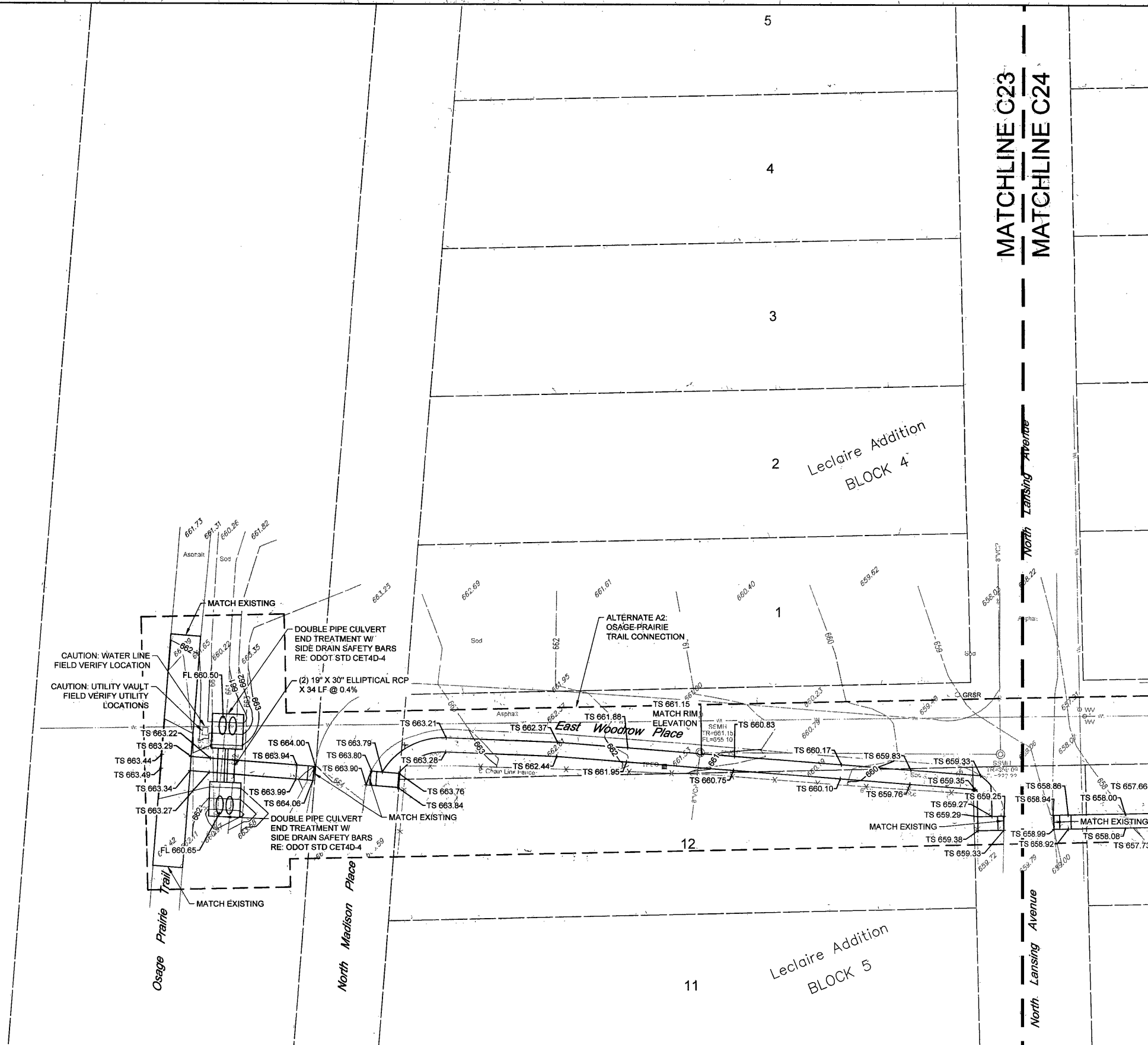
#### CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Oklahoma Certificate of  
Authorization #480  
Expiration Date: 9/30/23





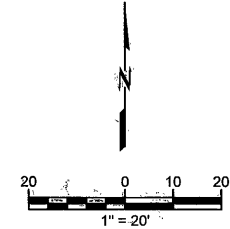


# GENERAL GRADING NOTES:

1. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED & INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS.
4. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
5. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS AND SHALL MAINTAIN POSITIVE DRAINAGE OF ENTIRE SITE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING. TEMPORARY DEWATERING, INCLUDING PUMPING, MAY BE REQUIRED AND SHALL BE INCLUDED IN THE SCOPE OF WORK.
6. ALL SIDEWALKS AND RAMPS TO HAVE MAXIMUM LONGITUDINAL SLOPE OF 5% AND MAXIMUM CROSS SLOPE OF 2%.
7. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

# GENERAL UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
3. NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. STORM TRENCH DETAIL RE: 5/C26.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
8. CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, AND REQUIREMENTS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (i.e. UNDERGROUND UTILITIES, SIDEWALKS, ETC.). CONTRACTOR SHALL PUT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE.
9. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.



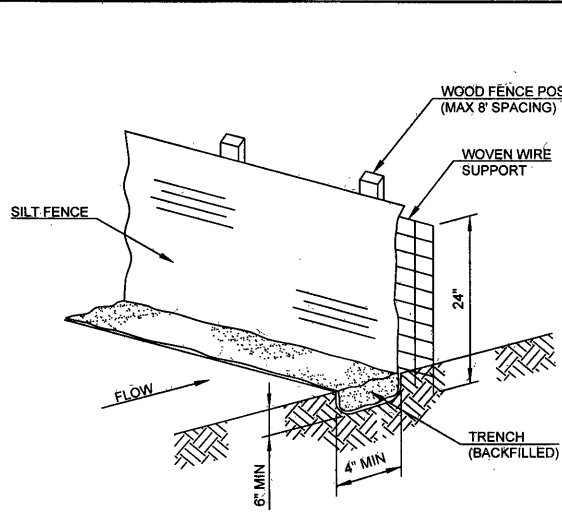
GRADING & UTILITY PLAN			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS			
2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
WALLACE DESIGN COLLECTIVE			
PLAN SCALE:	DRAWN	NM	09/26/2022
	DESIGNED	JR	09/26/2022
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	ES	10/12/22
	LEAD ENGR.	MM	11/22/22
	FIELD MGR.	MM	11/23/22
	RECOMMENDED:		
HORIZONTAL:	DESIGN MANAGER		CITY ENGINEER
VERTICAL:			
FILE:	DRAWING:		DATE: OCTOBER 7, 2022
			SHEET C24 OF 43 SHEETS



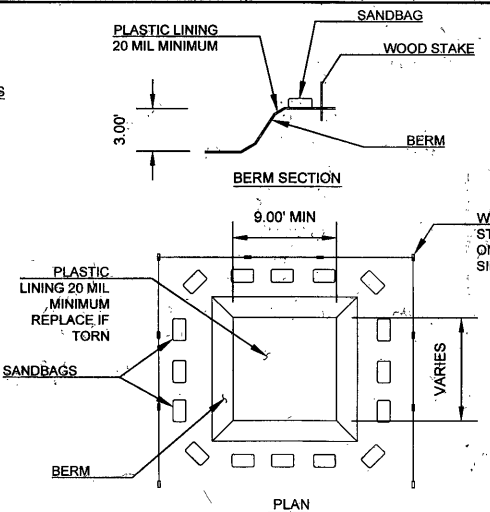
## CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

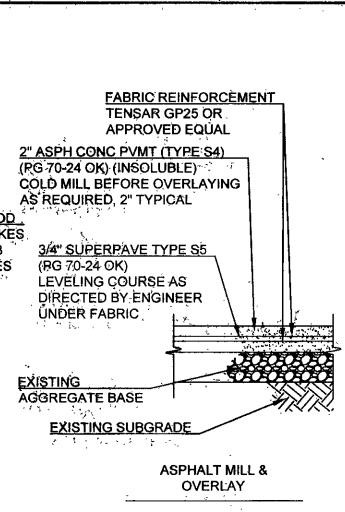
Oklahoma Certificate of Authorization #1480  
Expiration Date: 8/30/23



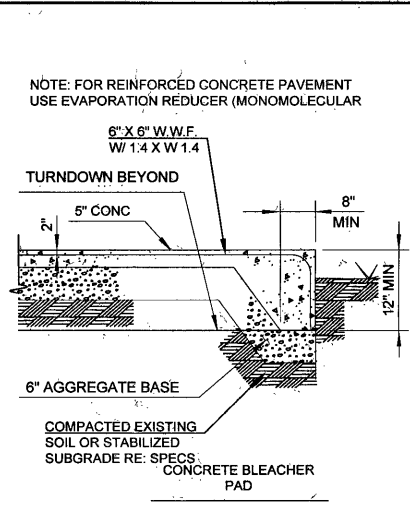
1 SILT FENCE  
SCALE: NTS



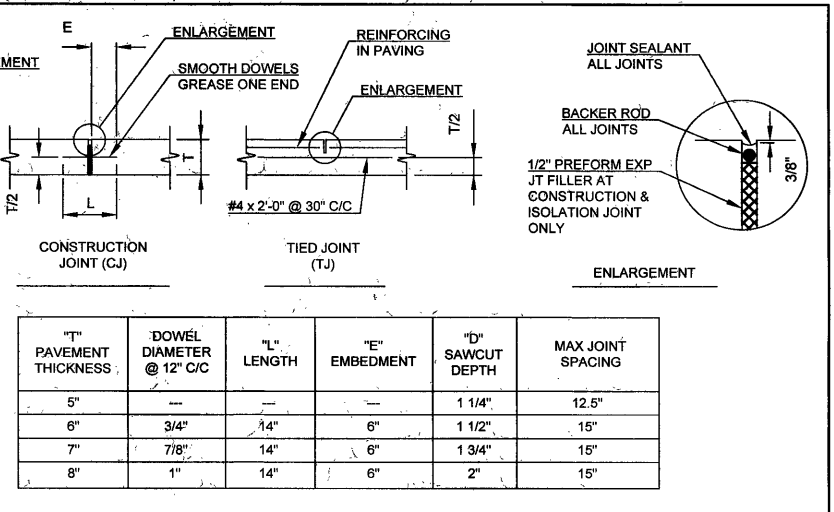
2 CONCRETE WASHOUT PIT  
SCALE: NTS



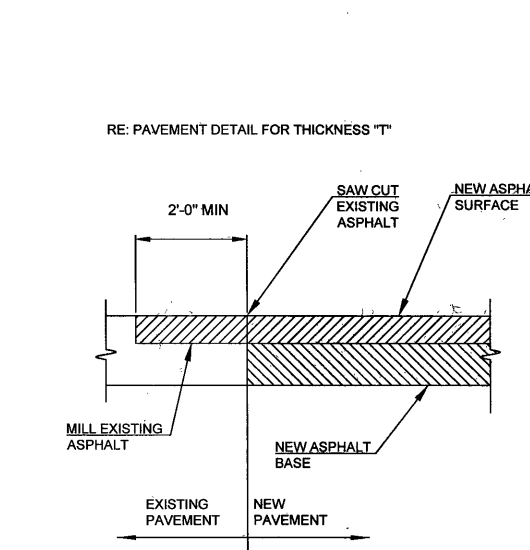
3 PAVEMENT DETAIL  
SCALE: NTS



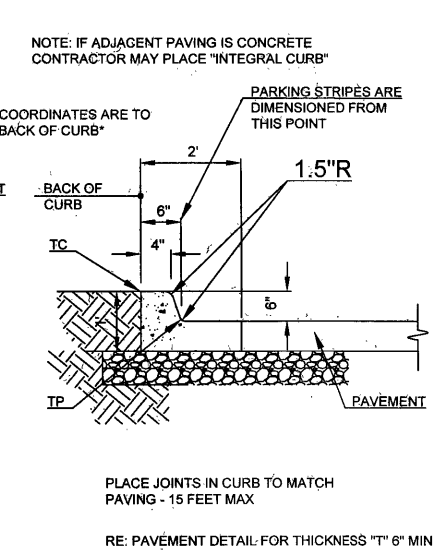
4 PAVING JOINT DETAIL  
SCALE: NTS



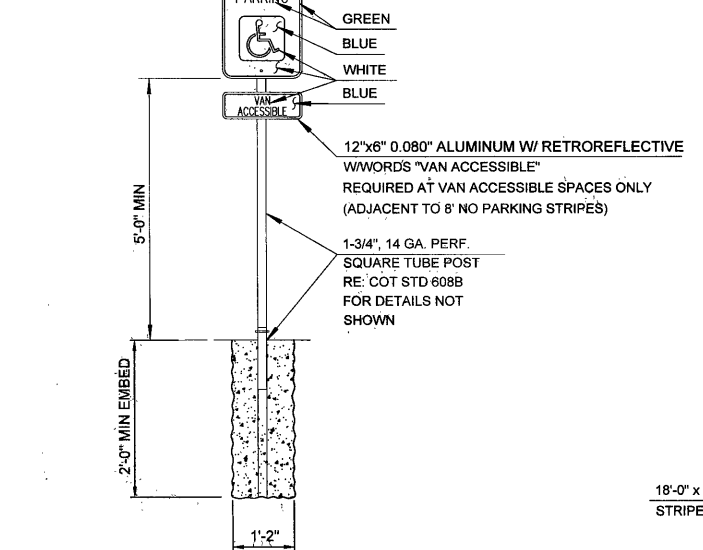
"T" PAVEMENT THICKNESS	"D" DOWEL DIAMETER @ 12" C/C	"L" LENGTH	"E" EMBEDMENT	"D" SAWCUT DEPTH	MAX JOINT SPACING
5"	---	---	---	1 1/4"	12.5"
6"	3/4"	14"	6"	1 1/2"	15"
7"	7/8"	14"	6"	1 3/4"	15"
8"	1"	14"	6"	2"	15"



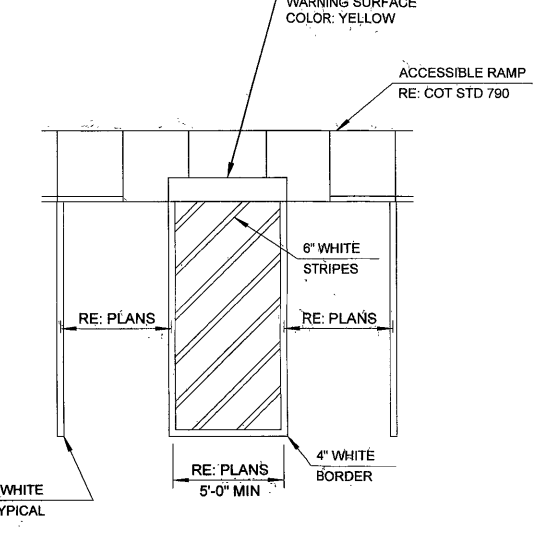
5 ASPHALT TRANSITION  
SCALE: NTS



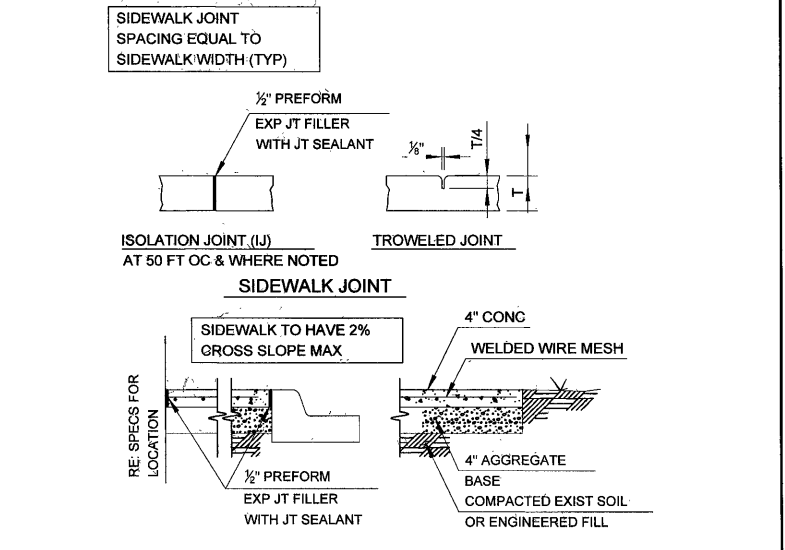
6 CURB AND GUTTER (BARRIER)  
SCALE: NTS



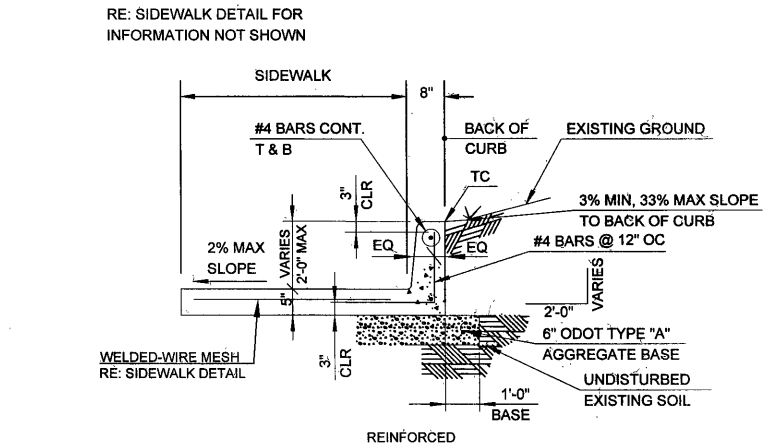
7 ACCESSIBLE SIGNAGE  
SCALE: NTS



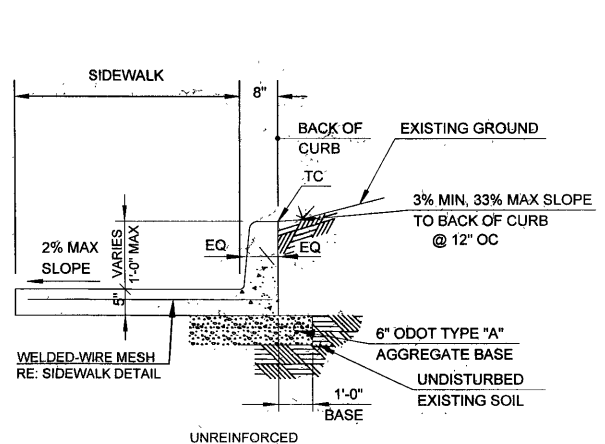
8 ACCESSIBLE STRIPING  
SCALE: NTS



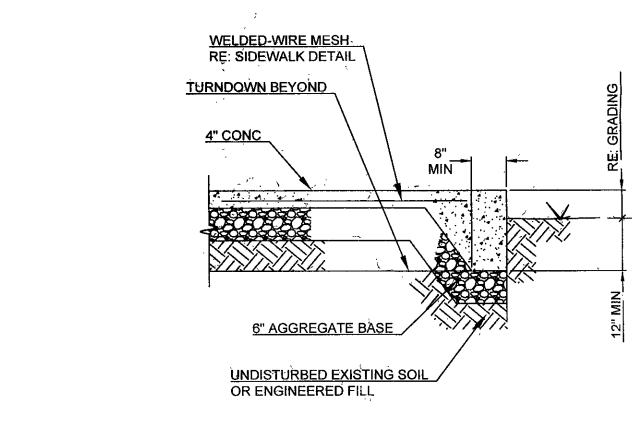
9 SIDEWALK  
SCALE: NTS



10 SIDEWALK CURB  
SCALE: NTS



11 TURNDOWN  
SCALE: NTS

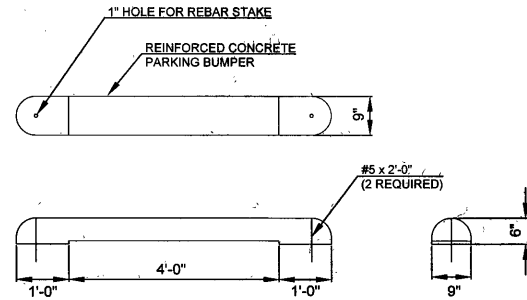


11 TURNDOWN  
SCALE: NTS

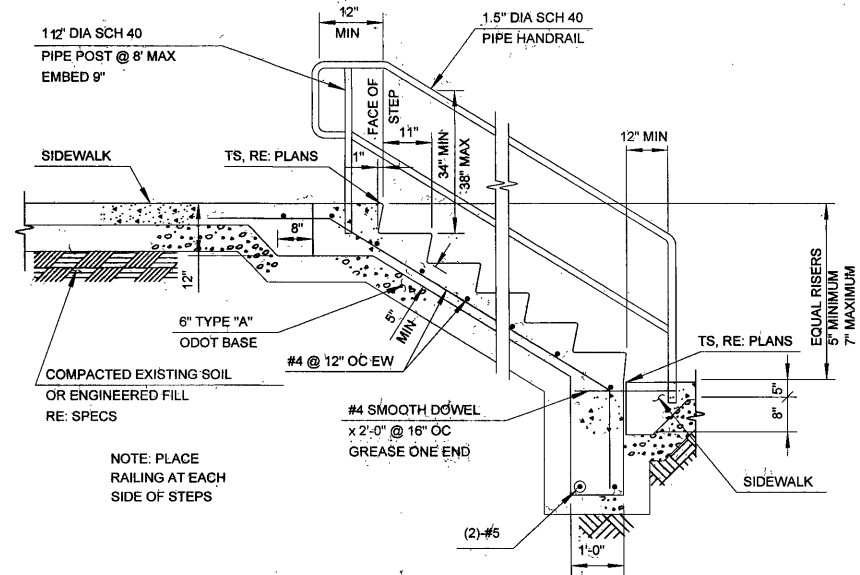


DETAILS					
PROJECT NUMBER SP 21-4					
LACY PARK IMPROVEMENTS					
2134 N. MADISON PL., TULSA, OK 74106					
CITY OF TULSA, OKLAHOMA					
ENGINEERING SERVICES DEPARTMENT					
PLANS AND ESTIMATES PREPARED BY:					
WALLACE DESIGN COLLECTIVE					
REVISION	BY	DATE	PLAN SCALE:	DRAWN	NM 09/28/2022
				DESIGNED	JR 09/29/2022
				SURVEY	
			PROFILE SCALE:	PROJ. MGR.	SP 10/22
				LEAD ENGR.	11/22
				FIELD MGR.	12/22
				RECOMMENDED:	
				DESIGN MANAGER	
			FILE:	DRAWING:	
					CITY ENGINEER
					DATE: OCTOBER 7, 2022
					SHEET C25 OF 43 SHEETS

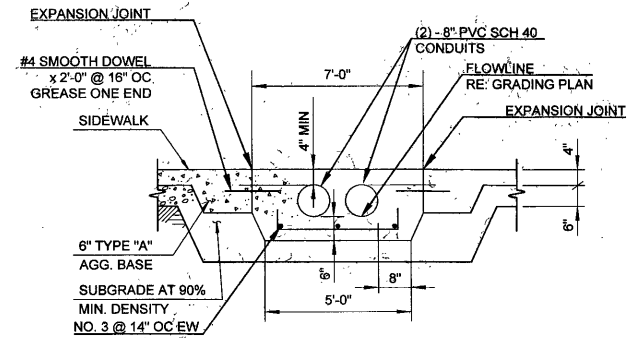
ORIG SIZE: 22"x34"  
PLOT: 10/7/2022 5:12:58 PM  
C:\Users\jrodich\OneDrive\Documents\Projects\21-40326 Lacy Park Improvements\Drawings\PRODUCTION\2140326 C600- Details.dwg



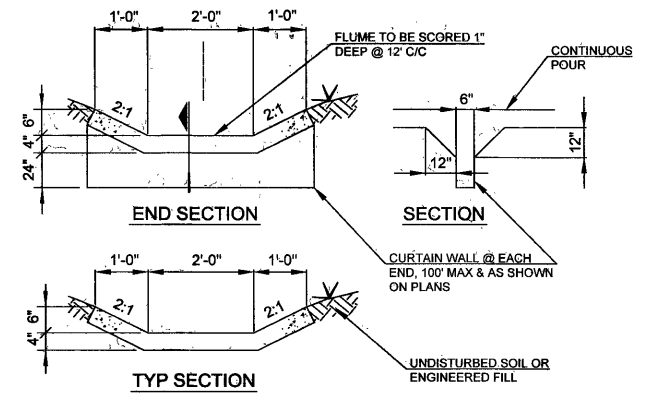
**1 PARKING BUMPER**  
SCALE: NTS



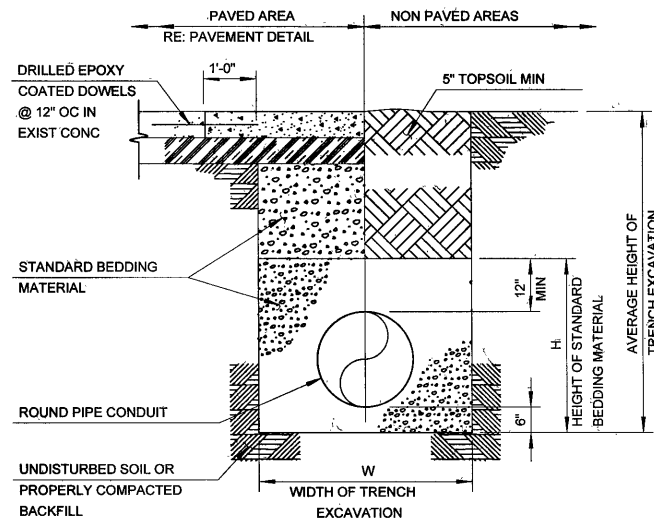
**2 CONC STEPS W/RAIL**  
SCALE: NTS



**3 SIDEWALK DRAIN**  
SCALE: NTS



**4 CONCRETE FLUME**  
SCALE: NTS



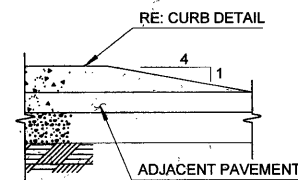
**5 STANDARD PIPE BEDDING DETAIL FOR STORM SEWER**  
SCALE: NTS

LIMITS OF STANDARD BEDDING MATERIAL QUANTITIES FOR BEDDING MATERIAL DO NOT INCLUDE THE SPACE WITHIN AND BOUNDED BY THE OUTER SURFACE OF THE PIPE CONDUIT.

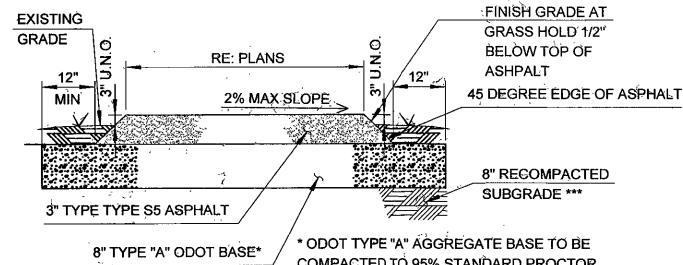
TRENCH NOTE:  
BRACING AND SHEATHING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND OSHA SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF THE CONTRACTOR.

BEDDING NOTE:  
STANDARD BEDDING MATERIAL MUST BE ODOT TYPE "A" AGGREGATE BASE. UNDER PAVING ODOT TYPE "A" AGGREGATE BASE MUST BE TO THE TOP OF THE TRENCH. ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 98% MODIFIED PROCTOR DENSITY.

PIPE SIZE, IN.	TRENCH WIDTH, FT.
ID < 24"	OD + 2'
24" > ID < 36"	OD + 2.5'
36" > ID < 60"	OD + 3.5'
ID > 60"	OD + 4'



**6 CURB TAPER**  
SCALE: NTS



**7 ASPHALT TRAIL**  
SCALE: NTS

\* ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.  
\*\* ASPHALT MATERIALS AND PLACEMENT SHALL MEET ODOT STANDARDS  
\*\*\* SCARIFY 8" OF SUBGRADE, MOISTURE CONDITION WITHIN A RANGE OF -2% TO +2% OF THE OPTIMUM MOISTURE CONTENT, AND RECOMPACT TO AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.



DETAILS			
PROJECT NUMBER SP 21-4			
LACY PARK IMPROVEMENTS 2134 N. MADISON PL., TULSA, OK 74106			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: <b>WALLACE DESIGN COLLECTIVE</b>			
REVISION	BY	DATE	APPROVED:
PLAN SCALE:	DRAWN	NM	09/26/2022
	DESIGNED	JR	09/26/2022
	SURVEY		
PROFILE SCALE:	PROJ. MGR.	6010/22	
	LEAD ENGR.	2/23	
	FIELD MGR.	2/23	
	RECOMMENDED:		
	DESIGN MANAGER		
FILE:	DRAWING:		
			CITY ENGINEER
			DATE: OCTOBER 7, 2022
			SHEET C26 OF 43 SHEETS

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23



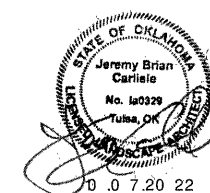


**LEGEND**

	CONCRETE PAVING, REFERENCE CIVIL		SOD

# A LANDSCAPE PLAN - OVERALL

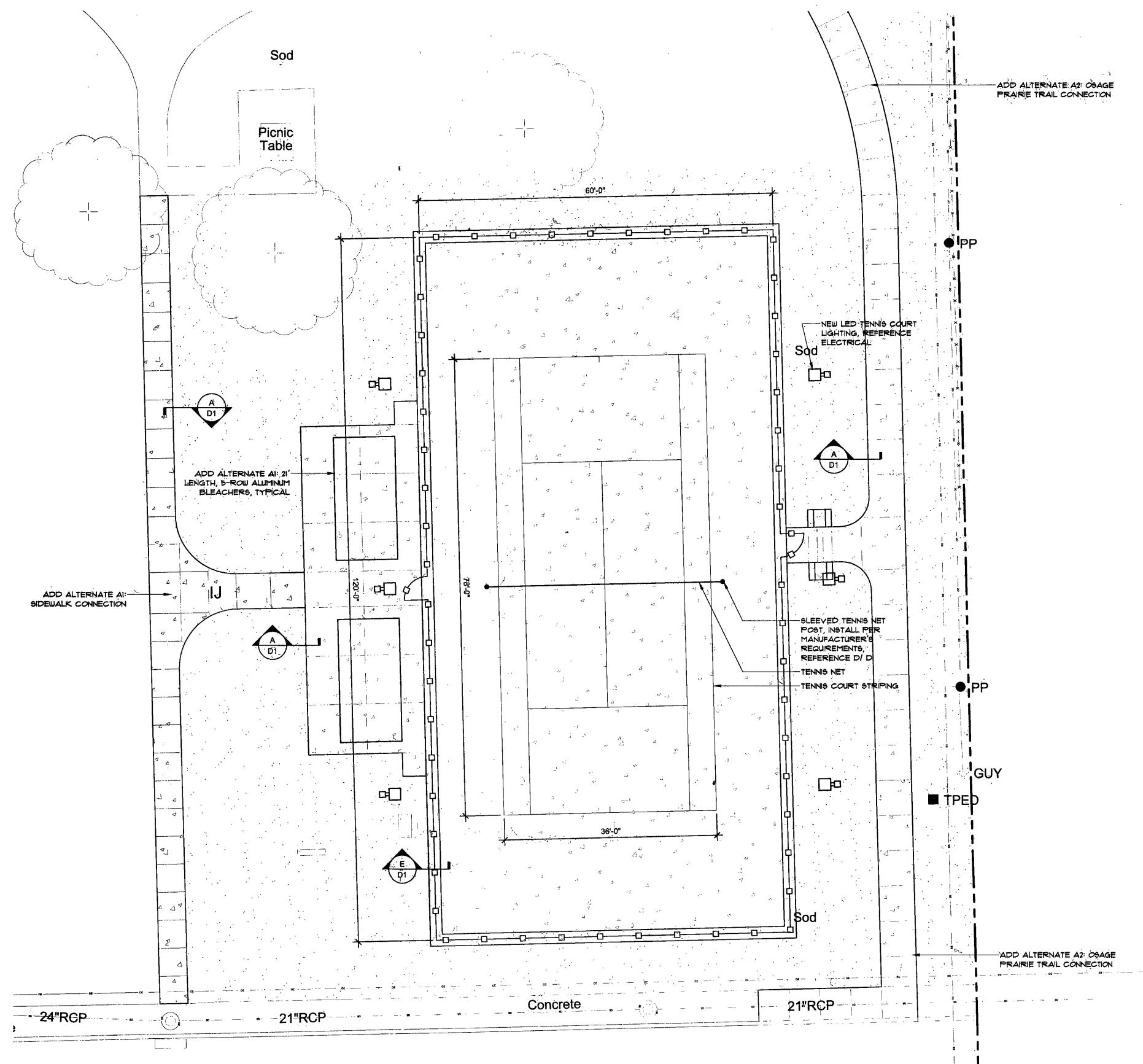
1" = 70'-0"



LANDSCAPE PLAN - OVERALL  
PROJECT NUMBER SP 21-4  
LACY PARK IMPROVEMENTS  
2134 N. MADISON PL., TULSA, OK 74106  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
GH2 ARCHITECTS, LLC.

REVISION	BY	DATE	PLAN SCALE:	DRAWN	NAS	9/26/2022	APPROVED:
			DESIGNED	NAS	9/26/2022		
			SURVEY				
			PROFILE SCALE:	PROJ. MGR.	GB	10/22	
			HORIZONTAL:	LEAD ENGR.	man	11/22	
				FIELD MGR.	Tom	2/23	
				RECOMMENDED:			
			VERTICAL	DESIGN MANAGER			CITY ENGINEER
			FILE:	DRAWING:			DATE: SEPTEMBER 26, 2022
							SHEET L1 OF 43 SHEETS



**TENNIS COURT STRIPING NOTES**

- ALL STRIPING IS TO BE 2" WIDE
- COMPLY WITH NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS) TENNIS COURT STRIPING REQUIREMENTS.

**LEGEND**

CONCRETE PAVING, REFERENCE CIVIL

PROPERTY LINE

ADD ALTERNATE A1: 10' HEIGHT, CHAIN-LINK FENCE WITH WINDSCREEN, FULL HEIGHT

**A** ADD ALTERNATE A1: TENNIS COURT REFERENCE PLAN  
1" = 10'-0"

0 0 7.20 22

**TENNIS COURT REFERENCE PLAN**  
PROJECT NUMBER SP 21-4  
LACY PARK IMPROVEMENTS  
2134 N. MADISON PL., TULSA, OK 74106  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

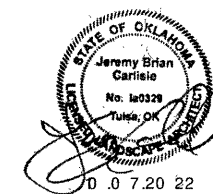
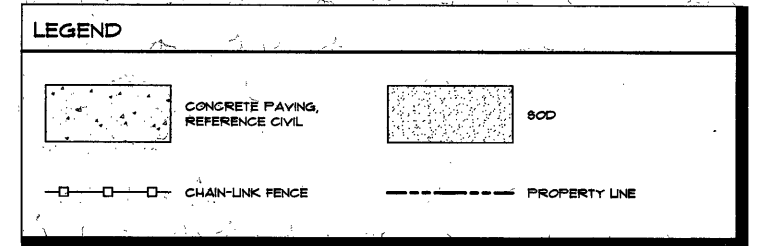
PLANS AND ESTIMATES PREPARED BY:  
**GH2 ARCHITECTS, LLC.**

REVISION	BY	DATE	PLAN SCALE:	DRAWN	NAS	9/28/2022	APPROVED:
			DESIGNED	NAS	9/28/2022		
			SURVEY				
			PROFILE SCALE:	PROJ. MGR.	GP	10/22	
			HORIZONTAL:	LEAD ENGR.	MAT	11/22	
				FIELD MGR.	ZIM	2/23	
			RECOMMENDED:				
			DESIGN MANAGER				CITY ENGINEER
			FILE:	DRAWING:			DATE: SEPTEMBER 26, 2022
							SHEET: L2 OF 43 SHEETS

CONSTRUCTION DOCUMENTS GH2 PROJECT #: 20140022.05 © 2022 COPYRIGHT GH2 ARCHITECTS, LLC





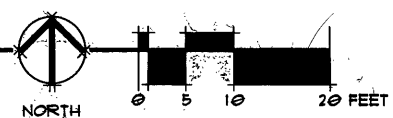


PLANS AND ESTIMATES PREPARED BY:  
**GH2 ARCHITECTS, LLC.**

PLAN SCALE:	DRAWN	NAS	9/26/2022	APPROVED:
	DESIGNED	NAS	9/26/2022	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	GP 10/22		
HORIZONTAL:	LEAD ENGR.	JWH 11/22		
	FIELD MGR.	ZJA 2/23		
VERTICAL	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE:	DRAWING:			DATE: SEPTEMBER
				SHEET L3 OF

CONSTRUCTION DOCUMENTS GH2 PROJECT #: 20140022.05 © 2022 COPYRIGHT GH2 ARCHITECTS, LLC

# A BASKETBALL COURT REFERENCE PLAN



## ABBREVIATIONS

**SPECIAL INSPECTIONS REQUIREMENTS (IBC 2012)**

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PER SECTION 1704 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. PRIOR TO COMPLETION OF WORK, A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCY NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTION FOR ITEMS LISTED ON THE STATEMENT OF SPECIAL INSPECTIONS AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
4. FABRICATORS OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2 OF THE IBC.

## GENERAL

4. STRAND SHALL BE COATED WITH A CORROSION INHIBITING COATING AND ENCLOSED IN A WATERTIGHT, SEAMLESS EXTRUDED PLASTIC SHEATHING; TORN OR DAMAGED SHEATHING SHALL BE PATCHED WITH A COMPATIBLE, WATERTIGHT PLASTIC ADHESIVE.
5. TENDONS SHALL BE COLOR CODED ACCORDING TO SIZE, LENGTH, AND PLACEMENT, TO COORDINATE WITH A TENDON PLACEMENT DRAWING PROVIDED BY THE CONTRACTOR.
6. ALL ANCHORS, WEDGES, AND GROMMETS SHALL BE PRODUCTS OF THE SAME MANUFACTURER, COMPATIBLE WITH THE TENDONS USED. DEAD END ANCHORS SHALL BE INSTALLED ON THE TENDON AT THE SUPPLIER PLANT PRIOR TO SHIPMENT TO THE JOB SITE.
7. ALL DEAD END AND STRESSING END ANCHORAGE LOCATIONS SHALL BE MARKED ON THE FORMS, DRILL HOLES IN THE FORMS FOR THE STRAND AND ANCHOR ASSEMBLY AT STRESSING END LOCATIONS. SECURELY ATTACH STRESSING END ASSEMBLIES TO THE SHEATHING AT THEIR INTERSECTION TO EXCLUDE CONCRETE PASTE, BUT AVOID EXCESSIVE TAPING WHICH COULD COMPROMISE BEARING OF THE ANCHOR ON THE CONCRETE.
8. TIE ANCHORS TO PERIMETER SLAB BARS.
9. PROVIDE AT LEAST 1-INCH CLEARANCE FOR CONCRETE COVER TO TENDON TAILS AT ANCHORS AND 1 1/2-INCH CLEARANCE TO ANCHOR ASSEMBLIES.
10. SUPPORT 1/2" DIAMETER TENDONS AT NOT MORE THAN 4'-6" O.C. SECURE TENDONS TO ALL SUPPORTS AND TO CROSSING TENDONS. SLAB TENDON SUPPORTS SHALL NOT PENETRATE THE VAPOR BARRIER AND SHALL PROVIDE ADEQUATE BEARING TO MAINTAIN TENDON POSITIONS DURING CONCRETE PLACEMENT.
11. PLACE TENDONS AS STRAIGHT AS POSSIBLE. VARY FROM STRAIGHT ONLY WITH LARGE RADIUS SMOOTH CURVATURES. MINIMUM RADIUS OF CURVATURE TO BE 6'-0". TOLERANCE OF PLACEMENT FOR SLAB TENDONS SHALL BE 1/4" RANDOMLY.
12. CAREFULLY CONSOLIDATE BEHIND TENDON ANCHORAGES TO ASSURE ADEQUATE CONCRETE BEARING CAPACITY.
13. STRESS SLAB TENDONS IN TWO STAGES, BASED UPON THE COMPRESSIVE STRENGTH OF FIELD CURED CONCRETE CYLINDERS.
  - A. WITHIN \*\*48 HOURS \*\* OF CONCRETE PLACEMENT, PRESTRESS TO 40% OF FINAL TENSION WHEN  $f_c = 1500$  PSI.
  - B. WITHIN \*\*10 DAYS \*\* OF CONCRETE PLACEMENT, FINAL STRESS TO 100% WHEN  $f_c = 2500$  PSI.
14. CUT OFF THE PROJECTING ENDS OF TENDONS ONLY AFTER FULLY STRESSED AND APPROVED. COAT ENDS OF TENDONS AND ANCHORAGE ASSEMBLY WITH ZINC CHROMATE.
15. WITHIN \*\*7 DAYS \*\* OF FINAL STRESSING, GROUT STRESSING POCKETS.
16. BEFORE CUTTING, CORING OR DRILLING INTO THE SLAB, FIELD LOCATE ALL NEARBY SLAB TENDONS WITH A METAL DETECTOR OR GROUND-PENETRATING RADAR AND MARK LOCATIONS ON THE SLAB SURFACE TO AVOID DAMAGING TENDONS.

FOUNDATIONS

1. FOOTING AND POST-TENSIONED SLAB DESIGNS, SUBGRADE PREPARATION AND EARTH MOVING SPECIFICATION ARE BASED ON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 1160115, BY: AIRMIGHT TESTING AND ENGINEERING, LLC DATED: FEBRUARY 19, 2015 REV 1.
2. FOOTING DESIGNS ARE BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF. FOOTINGS SHALL BEAR IN NEW, COMPACTED, APPROVED STRUCTURAL FILL OR STIFF TO VERY STIFF RESIDUAL CLAY SOILS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE EARTH MOVING SPECIFICATION.
4. A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING AS THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS. TESTING LABORATORY SHALL NOTIFY CONTRACTOR, ARCHITECT AND CONSULTING ENGINEER OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR CONTRACT DOCUMENTS.
5. USE ONLY ENGINEERED FILL MATERIAL AS NOTED IN THE EARTH MOVING SPECIFICATION FOR FILL BELOW POST-TENSIONED SLABS AND FIVE FEET BEYOND THE EDGES OF THE SLABS.
6. AVOID DAMAGE TO UNDERGROUND UTILITIES SUCH AS WATER MAINS, SANITARY SEWERS, BURIED CABLES, ETC., WHICH MIGHT EXTEND ACROSS OR ADJOIN SITE.

## CONCRETE

1. MINIMUM COMPRESSIVE STRENGTH ( $f'_c$ ) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:  
A. POST-TENSIONED TENNIS AND PICKLE BALL COURT SLABS 3500 PSI
2. REFER TO SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS, MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. CONCRETE SHALL BE NORMAL WEIGHT (145 PCF), UNLESS NOTED OTHERWISE.
3. EXTERIOR CONCRETE AND CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL BE AIR-ENTRAINED. REFER TO SPECIFICATIONS FOR AIR CONTENT.
4. MATERIALS OR ADDITIVES SHALL NOT CONTAIN ANY CALCIUM CHLORIDE.  
REINFORCING STEEL SHALL MEET THE FOLLOWING:  
A. DEFORMED BARS ASTM A615, GRADE 60  
B. WELDABLE DEFORMED BARS ASTM A706, GRADE 60
5. REFER TO ACI 318 LATEST EDITION FOR CONCRETE COVER, ACI 315 LATEST EDITION FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 LATEST EDITION FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE.
6. "C.J." INDICATES SAW CUT CONTRACTION JOINT OR DOWELED CONSTRUCTION JOINT IN SLAB ON GRADE. REFER TO SPECIFICATIONS FOR ACCEPTED SAW CUT METHODS. SLAB POURS SHALL BE SEPARATED BY A DOWELED CONSTRUCTION JOINT. CONTRACTION/CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE STRUCTURAL ENGINEER.

## ABBREVIATIONS

A.B.	ANCHOR BOLTS	KSI	KIPS PER SQUARE INCH
A.F.F.	ABOVE FINISHED FLOOR	LBS.	POUNDS
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LONG.	LONGITUDINAL
B.L.	BLOCK LINTEL	MAX.	MAXIMUM
B.O.	BOTTOM OF	MECH.	MECHANICAL
B.O.D.	BOTTOM OF DECK	MFR.	MANUFACTURER
BAL.	BALANCE	MIN.	MINIMUM
BLDG.	BUILDING	MISC.	MISCELLANEOUS
BRG.	BEARING	N.I.C.	NOT IN CONTRACT
C.J.	CONTRACTION JOINT	N.S.	NEAR SIDE
C.L.	CENTER LINE	N.T.S.	NOT TO SCALE
CL.R.	CLEAR	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL.	COLUMN	O.D.	OUTSIDE DIAMETER
CONC.	CONCRETE	O.H.	OPPOSITE HAND
CONST.	CONSTRUCTION	P.A.F.	POWER ACTUATED FASTENER
CONT.	CONTINUOUS	P.M.E.J	PREMOLDED EXPANSION JOINT
D.B.A.	DEFORMED BAR ANCHOR	PCF	POUNDS PER CUBIC FOOT
DIA.	DIAMETER	PLF	POUNDS PER LINEAR FOOT
DWG.	DRAWING	PSF	POUNDS PER SQUARE FOOT
E.F.	EACH FACE	PSI	POUNDS PER SQUARE INCH
E.J.	EXPANSION JOINT	QTY.	QUANTITY
E.O.D.	EDGE OF DECK	R.O.	ROUGH OPENING
E.O.S.	EDGE OF SLAB	RE:	REFER
E.W.	EACH WAY	REINF.	REINFORCING
ELEV.	ELEVATION	REQD.	REQUIRED
EQ.	EQUAL	RTU	ROOF TOP UNIT
EXIST.	EXISTING	S.D.S.	SELF-DRILLING SCREWS
F.F.E.	FINISHED FLOOR ELEVATION	SCHED.	SCHEDULE
F.S.	FAR SIDE	SIM.	SIMILAR
FDN.	FOUNDATION	SPECS.	SPECIFICATIONS
FTG.	FOOTING	STD.	STANDARD
G.B.	GRADE BEAM	STL.	STEEL
GA.	GAGE	T&B	TOP AND BOTTOM
GALV.	GALVANIZED	T.O.	TOP OF
H.S.A.	HEADED STUD ANCHOR	T.O.P.	TOP OF PIER
HORIZ.	HORIZONTAL	T.O.W.	TOP OF WALL
IBC	INTERNATIONAL BUILDING CODE	TRANS.	TRANSVERSE
INFO.	INFORMATION	TYP.	TYPICAL
J.B.E.	JOIST BEARING ELEVATION	U.N.O.	UNLESS NOTED OTHERWISE
JT.	JOINT	VERT.	VERTICAL
K	UNIT OF 1,000 POUNDS (KIP)	W.P.	WORK POINT
		W.W.F.	WELDED WIRE FABRIC
		WT.	WEIGHT

### STATEMENT OF SPECIAL INSPECTIONS (IBC 2018)

REQUIRED VERIFICATION AND INSPECTION TASK		FREQUENCY OF INSPECTION	
		CONTINUOUS	PERIODIC
II.	CONCRETE CONSTRUCTION (IBC TABLE 1705.3)		
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLES.	---	---
3.	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	---	X
4.	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	---	X
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	---	X
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
9.	INSPECTION OF PRESTRESSED CONCRETE:		
A.	APPLICATION OF PRESTRESSING FORCES.	X	---
B.	GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	---
10.	ERECTION OF PRECAST CONCRETE MEMBERS.	---	X
11.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X
V.	SOILS (IBC TABLE 1705.6)		
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X
	CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.		
	PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.		

## STRUCTURAL OBSERVATION REQUIREMENTS

1. A REPRESENTATIVE OF THE ENGINEER OF RECORD WILL PERFORM THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTION REQUIRED OF THE BUILDING OFFICIAL OR THE SPECIAL INSPECTOR.
2. A PRE-CONSTRUCTION MEETING SHALL BE HELD AND ATTENDED BY THE LANDSCAPE ARCHITECT, ENGINEER OF RECORD, GENERAL CONTRACTOR, SUBCONTRACTORS, AND SPECIAL INSPECTORS.
3. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTING OPERATIONS THAT REQUIRE STRUCTURAL OBSERVATION BY CALLING (618) 564-5858 TO SCHEDULE A SITE VISIT.
4. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER:
  - A. AFTER INSTALLATION OF POST-TENSIONED SLAB REINFORCING FOR EACH SLAB AND BEFORE CONCRETE PLACEMENT.
  - B. ON THE DAY OF FINAL STRESSING OF TENDONS FOR EACH POST-TENSIONED SLAB.



Date: 2022.09.22 15:20:13-05'00

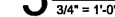
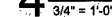
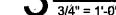
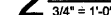
[illegible]

Oklahoma Certificate of  
Authorization #1460  
Expiration Date: 6/30/23

CONSTRUCTION DOCUMENTS

**GH2 PROJECT #: 20140022.05**

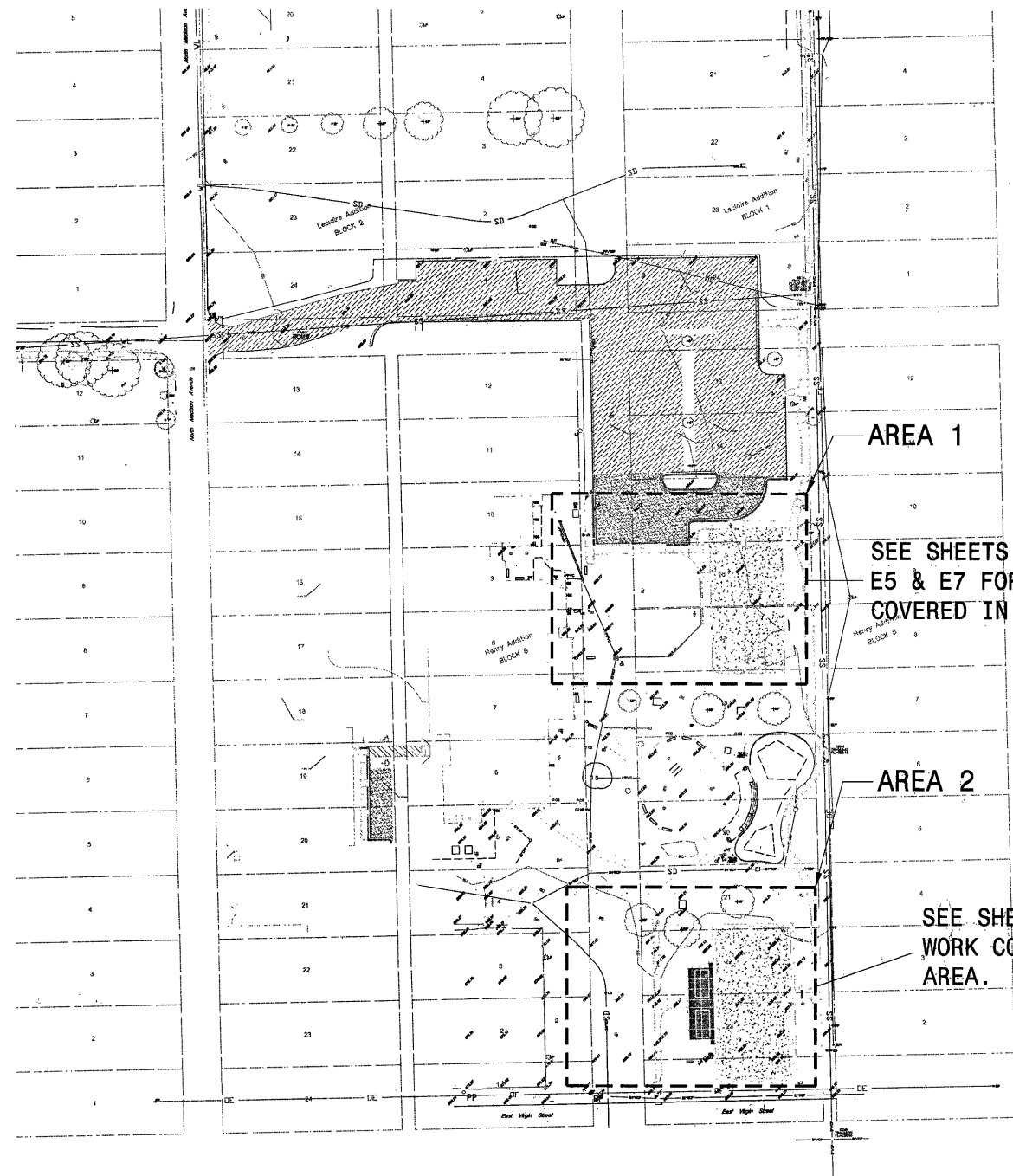
© 2022 COPYRIGHT GH2 ARCHITECTS, LLC



© 2022 COPYRIGHT GH2 ARCHITECTS, LLC

LACY PARK  
TENNIS/BASKETBALL COURT  
RENOVATIONS  
CONSTRUCTION DOCUMENTS  
10/07/2022

SHEET	DESCRIPTION
E1	ELECTRICAL COVER SHEET
E2	DEMOLITION PLAN - EXISTING BASKETBALL COURT
E3	POWER PLAN - NEW BASKETBALL COURT - BASE BID
E4	LIGHTING & POWER PLAN - NEW BASKETBALL COURT - BASE BID
E5	LIGHTING & POWER PLAN - SOLAR ALTERNATE NEW BASKETBALL COURT - ADD ALTERNATE A1
E6	LIGHTING & POWER PLAN - TENNIS COURT - ADD ALTERNATE A3
E7	ELECTRICAL DETAILS
E8	PHOTOMETRICS - BASE BID BASKETBALL COURT
E9	PHOTOMETRICS - TENNIS COURT - ADD ALTERNATE A1



SEE SHEETS E2, E3, E4,  
E5 & E7 FOR WORK  
COVERED IN THIS AREA.

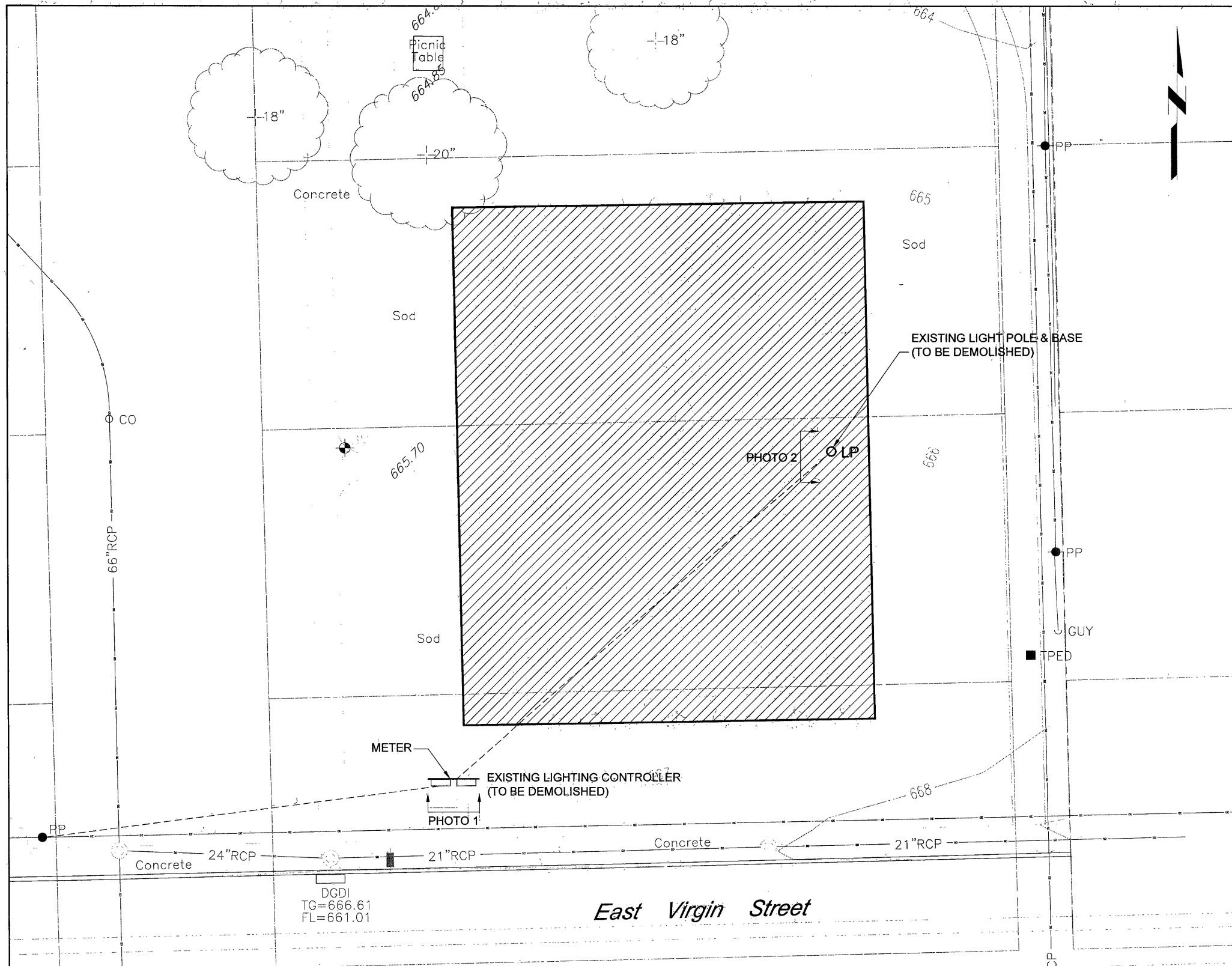
SEE SHEETS E6 & E8 FOR  
WORK COVERED IN THIS  
AREA.

**ELECTRICAL COVER SHEET**  
SCALE: 3/16" = 1'-0"



*Sara J. J. J.*  
10-07-2022

REVISION		BY	DATE	616 S. MAIN ST. SUITE 112, TULSA OKLAHOMA 74119 PH-918-583-8905		APPROVED:	
CONSTRUCTION DOCUMENTS		DJB	10/07/2022	PLAN SCALE:	DRAWN	DJB	10/07/2022
				NONE	DESIGNED		10/07/2022
					SURVEY		
				PROFILE SCALE:	PROJ. MGR.		9/5 10/22
				HORIZONTAL:	LEAD ENGR.		2/24 11/22
				NONE	FIELD MGR.		2/24 7/23
					RECOMMENDED:		
				VERTICAL			
				NONE	DESIGN MANAGER		
				FILE:	DRAWING: E1		CITY ENGINEER
				ATLAS PAGE NO. ?			DATE: OCTOBER 7, 2022
							SHEET E1 OF 43 SHEETS



EXISTING BASKETBALL  
COURT - DEMOLITION  
SCALE: 3/32" = 1'-0"

ELEC. METER  
(TO REMAIN)

CIRCUIT PANEL  
(TO REMAIN)

LIGHTING  
CONTROLLER  
(REPLACE)

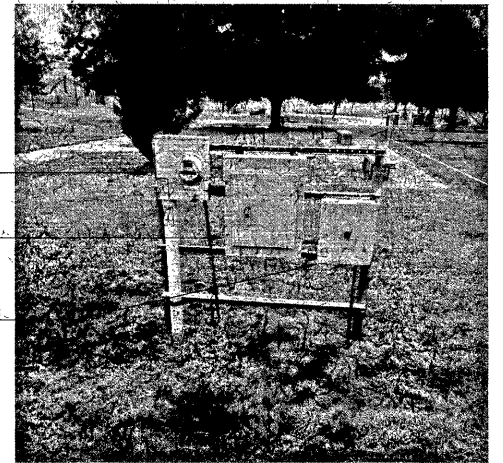


PHOTO 1 - SWITCH RACK (METER & CONTROLLER)  
SCALE: NONE

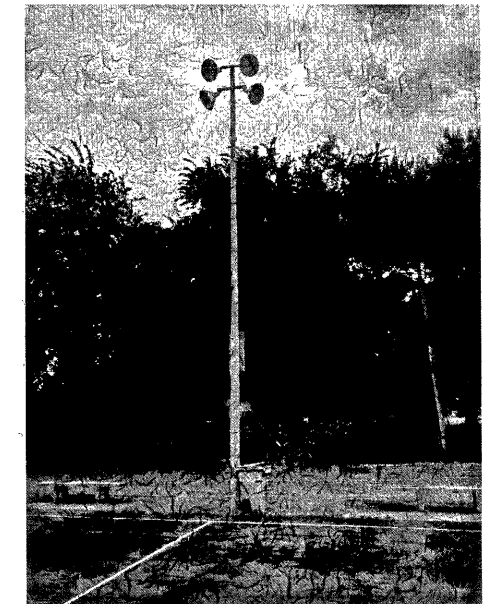


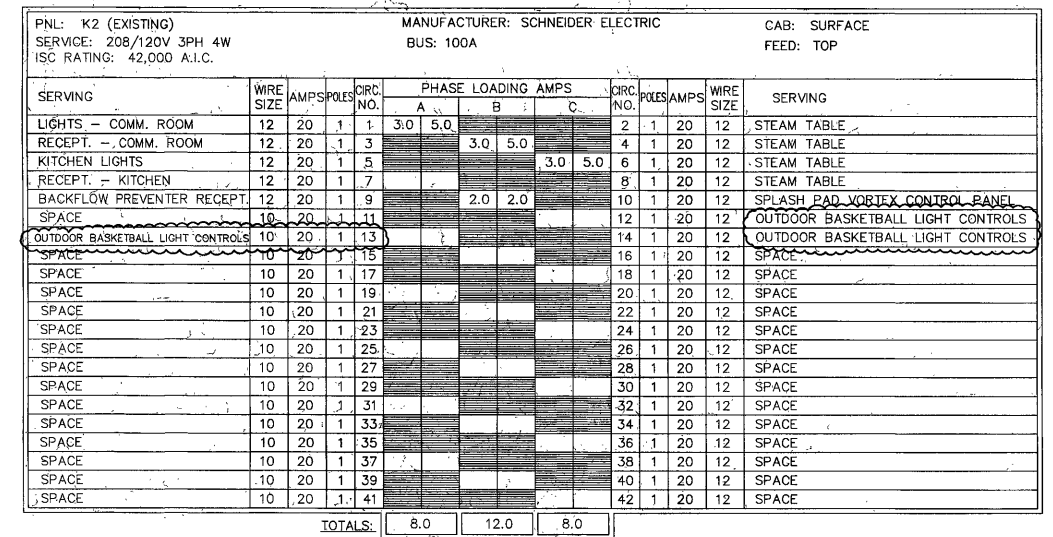
PHOTO 2 - EXISTING BASKETBALL COURT LIGHT  
SCALE: NONE



*Derek Gates*  
10-07-2022

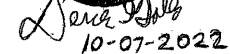
DEMOLITION PLAN - EXISTING BASKETBALL COURT									
PROJECT NO. SP 21-4									
LACY PARK									
MASTERPLAN PHASE 1									
CITY OF TULSA, OKLAHOMA									
ENGINEERING SERVICES DEPARTMENT									
PLANS AND ESTIMATES PREPARED BY:									
D. W. GATES ENGINEERING									
616 S. MAIN ST. SUITE 112, TULSA, OKLAHOMA 74119 PH-518-583-8905									
REVISION	BY	DATE	PLAN SCALE:	DRAWN	DJB	10/07/2022	APPROVED:		
CONSTRUCTION DOCUMENTS	DJB	10/07/2022	NONE	DESIGNED	DWG	10/07/2022			
				SURVEY					
				PROFILE SCALE:	PROJ. MGR	<i>SP 10/22</i>			
				HORIZONTAL:	LEAD ENGR	<i>max 11/22</i>	CITY ENGINEER		
				NONE	FIELD MGR	<i>max 11/22</i>			
				VERTICAL:	RECOMMENDED:				
				NONE	DESIGN MANAGER				
				FILE:	DRAWING:	E2	DATE: OCTOBER 7, 2022		
				ATLAS PAGE NO: 7			SHEET E2 OF 43 SHEETS		



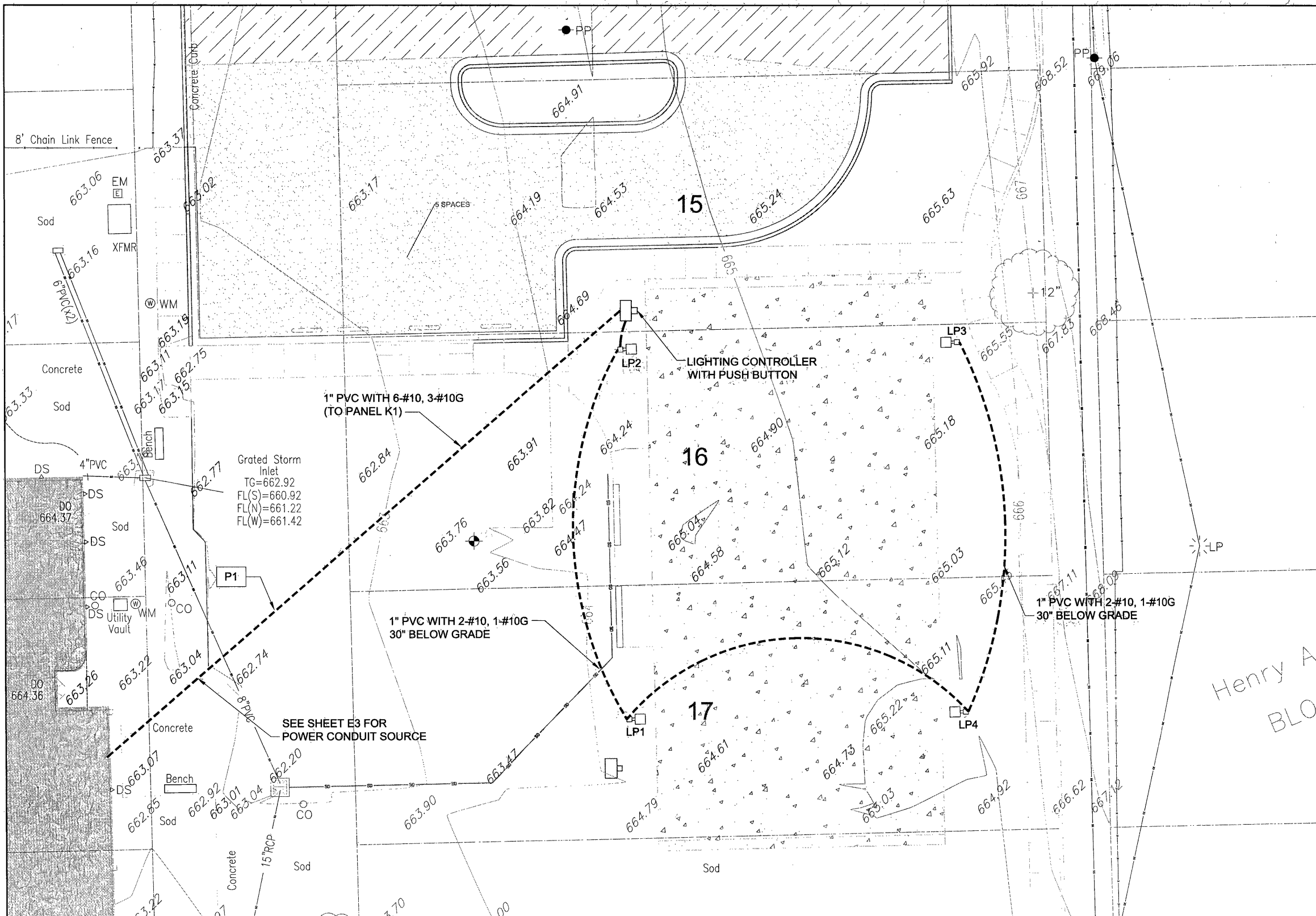


SCALE: N/A

- ① CONTRACTOR TO INSTALL THREE NEW 120V, 20A/1P CIRCUIT BREAKERS IN EXISTING PANEL K2 LOCATED IN THE COMMUNITY ROOM CLOSET FOR THE BASKETBALL COURT LIGHTING.
- ② ROUTE CONDUIT P1 3/4" EMT CONDUIT IN BUILDING ABOVE THE CEILING, 3/4" RGS CONDUIT EXPOSED OUTSIDE THE BUILDING AND 1" PVC BURIED CONDUIT FROM PANEL K2 TO BASKETBALL COURT LIGHTING CONTROLLER.
- ③ CONDUIT TO CONTAIN 6-#12, 3-#10G FOR 3 CIRCUITS.
- ④ PAINT EXTERIOR CONDUIT ON WALL TO MATCH BUILDING EXTERIOR COLOR



REVISION CONSTRUCTION DOCUMENTS		BY DJB	DATE 10/07/2022	PLAN SCALE: NONE PROFILE SCALE: HORIZONTAL: NONE VERTICAL: NONE	DRAWING DESIGNED SURVEY: PROJ. MGR. LEAD ENGR. FIELD MGR. RECOMMENDED: DESIGN MANAGER	DWAJ 10/07/2022 10/07/2022 6/6/10/22 4/22 2/23	APPROVED: CITY ENGINEER	DATE: OCTOBER 7, 2022	SHEET E3 OF 43 SHEETS
------------------------------------	--	-----------	--------------------	---	--	---	----------------------------	-----------------------	-----------------------



ELECTRICAL POWER & LIGHTING PLAN-  
BASKETBALL COURT BASE BID  
SCALE: 3/32" = 1'-0"



*Derek Gates*  
10-07-2022

LIGHTING & POWER PLAN - BASKETBALL COURT BASE BID

PROJECT NO. SP 21-4

LACY PARK  
MASTERPLAN PHASE 1

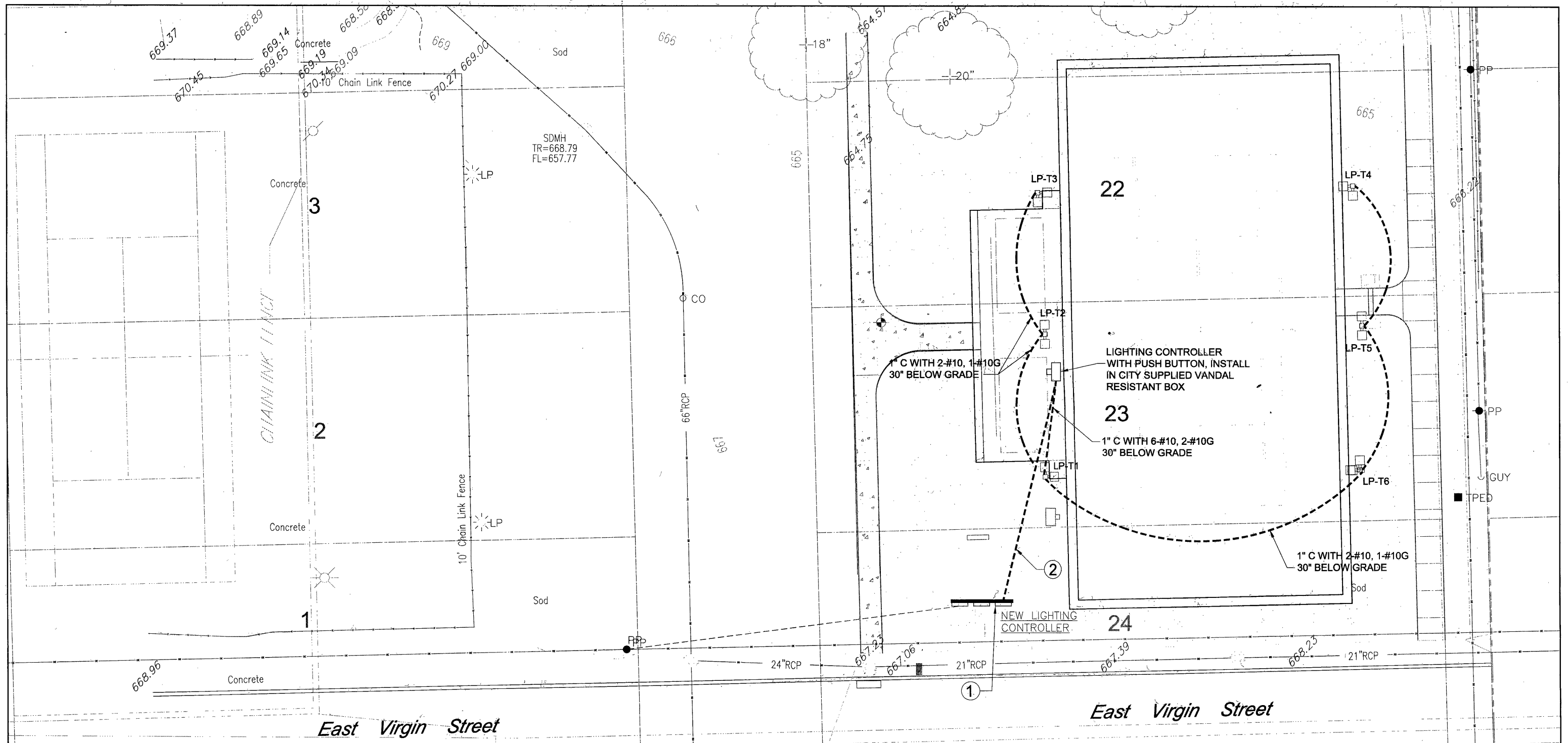
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
D. W. GATES ENGINEERING  
616 S. MAIN ST. SUITE 112, TULSA, OKLAHOMA 74119 PH-918-583-6965

REVISION	BY	DATE	PLAN SCALE:	DRAWN	DJB	10/07/2022	APPROVED:
65% REVIEW DOCUMENTS	DJB	06/10/2022	NONE	DESIGNED	DWG	10/07/2022	
95% REVIEW DOCUMENTS	DJB	08/12/2022		SURVEY			
CONSTRUCTION DOCUMENTS	DJB	10/07/2022	PROFILE SCALE:	PROJ. MGR.		10/10/22	
				LEAD ENGR.		11/2/22	
			HORIZONTAL:	FIELD MGR.		11/2/22	
			NONE	RECOMMENDED:			
			VERTICAL:	DESIGN MANAGER			
			NONE				
			FILE:	DRAWING: E4			
			ATLAS PAGE NO: 7				



CONSTRUCTION DOCUMENTS      GH2 PROJECT #: 20140022.05      © 2022 COPYRIGHT GH2 ARCHITECTS, LLC



NOTES:

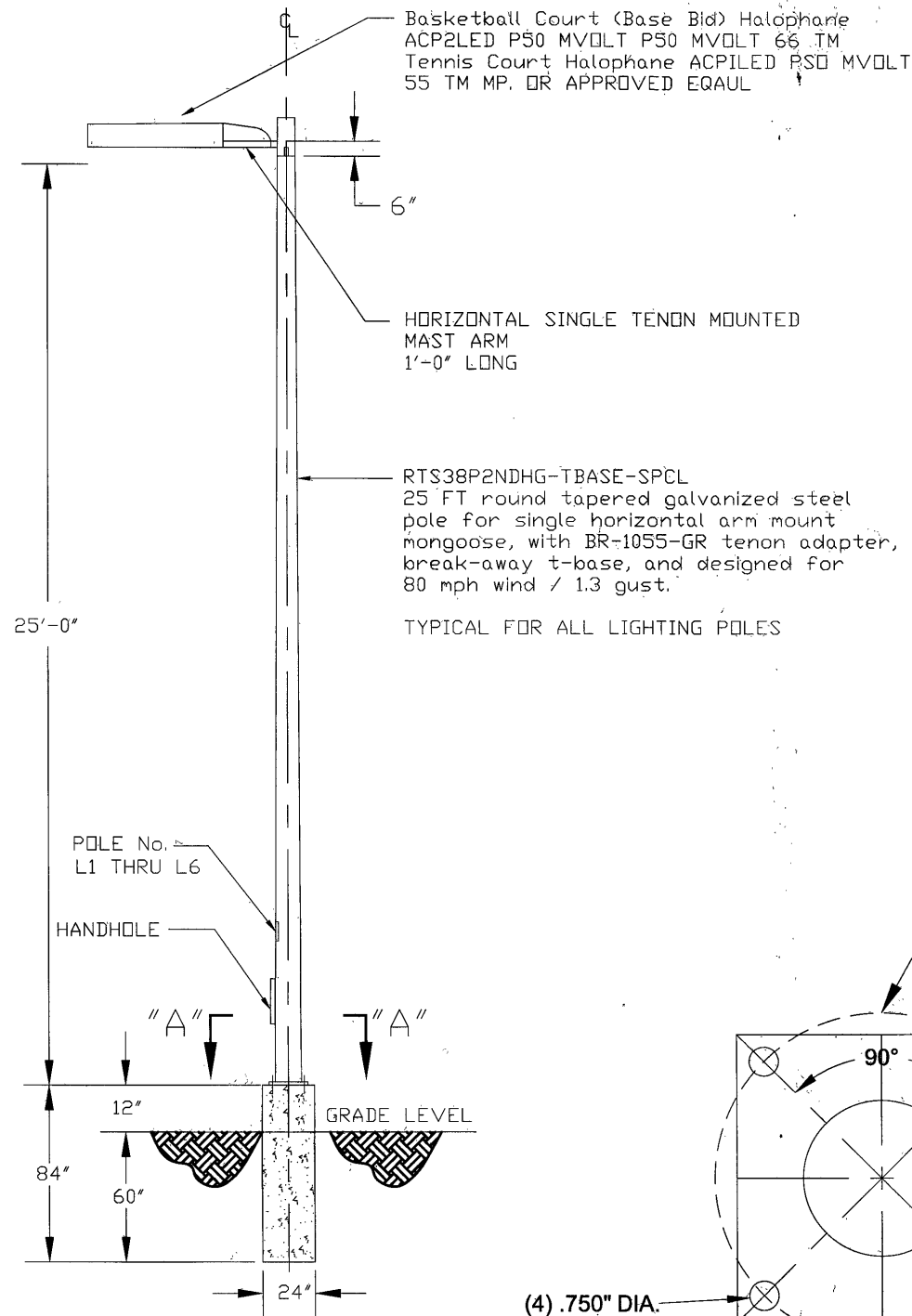
- ① INSTALL NEW TENNIS COURT LIGHTING CONTROLLER ON EXISTING EQUIPMENT RACK.
- ② RUN 1" PVC CONDUIT 30" BELOW GRADE TO NEW VANDAL RESISTANT LIGHTING CONTROLLER.
- ③ LIGHTING CONTROLLER TO HAVE PUSH BUTTON TO TURN LIGHTS ON/OFF. LIGHTS TO TURN OFF AT 11:00PM.

ELECTRICAL POWER & LIGHTING PLAN—  
NEW TENNIS COURT — ADD ALTERNATE A1  
SCALE: 3/32" = 1'-0"

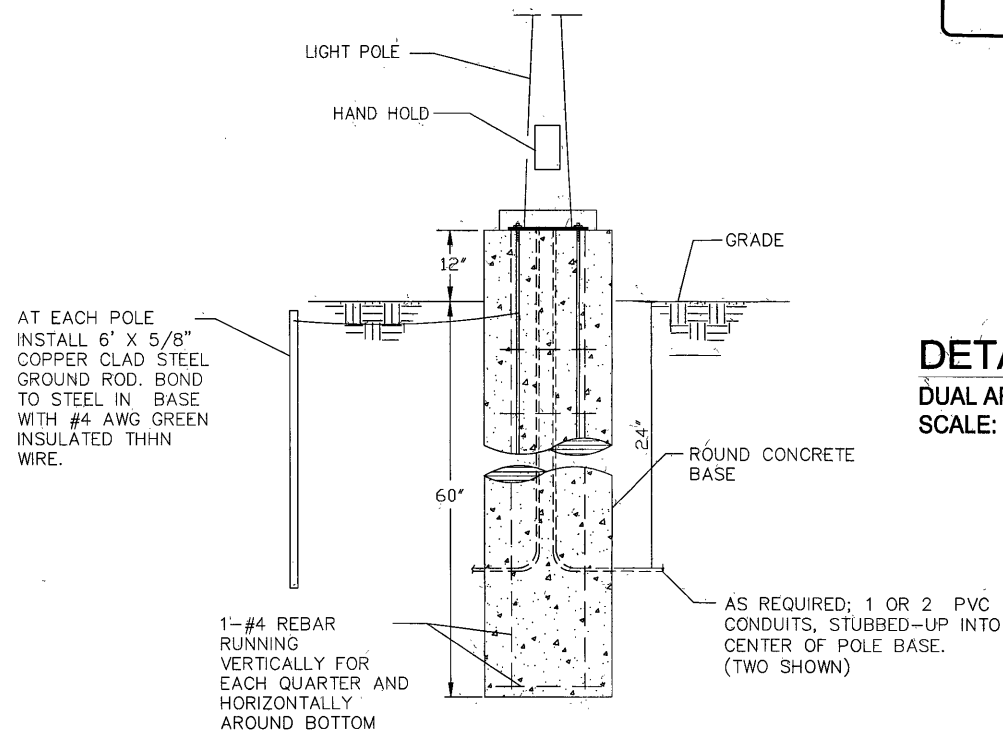


*Derek Gates*  
10-07-2022

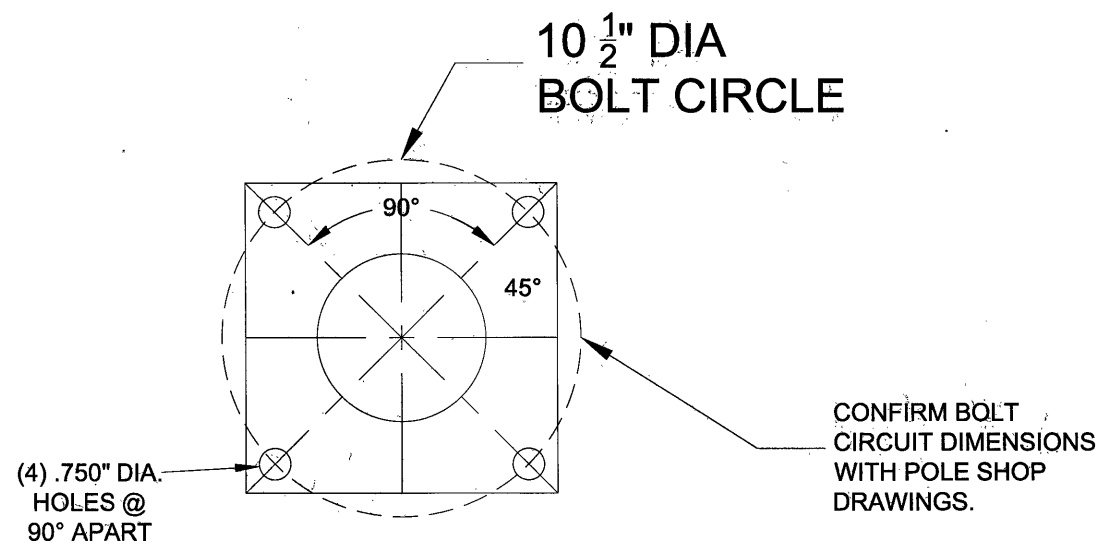
REVISION	BY	DATE	PLAN SCALE:	DRAWN	DJB	10/07/2022	APPROVED:
CONSTRUCTION DOCUMENTS	DJB	10/07/2022	NONE	DESIGNED	DWG	10/07/2022	
				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
			NONE	FIELD MGR.			
			VERTICAL	RECOMMENDED:			
			NONE	DESIGN MANAGER			
			FILE:	DRAWING: E6			CITY ENGINEER
			ATLAS PAGE NO: ?				DATE: OCTOBER 7, 2022



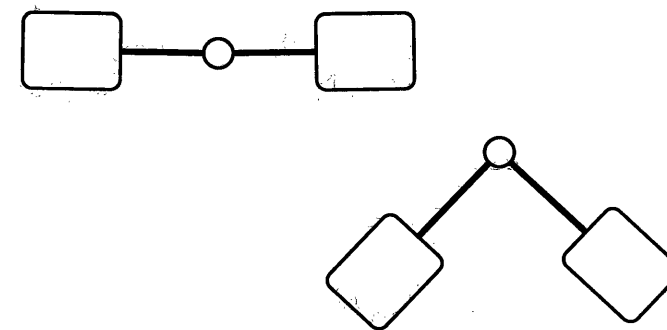
**DETAIL 1 - POLE DETAIL**  
SCALE: NONE



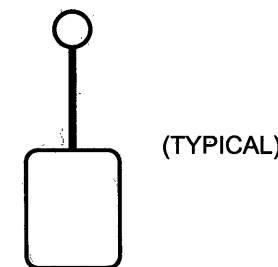
**DETAIL 3 - POLE BASE STANDARDS**  
SCALE: NONE



**DETAIL 2 - ANCHOR MOUNTING PLATE**  
SCALE: NONE



**DETAIL 4 - TENNIS COURT FIXTURE**  
DUAL ARM LIGHTS  
SCALE: NONE



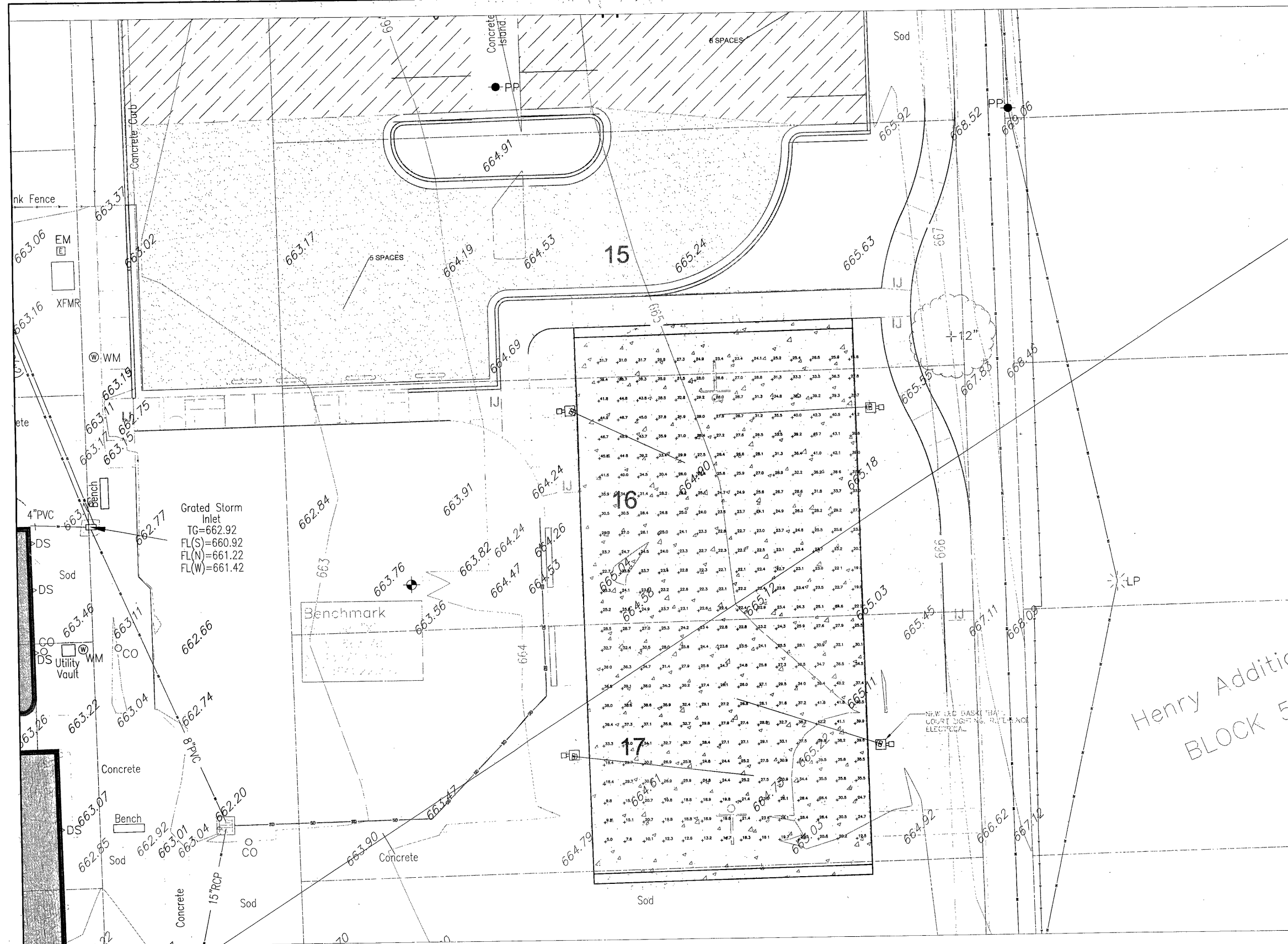
**DETAIL 5 - BASKETBALL COURT FIXTURE**  
SINGLE ARM LIGHTS  
SCALE: NONE



ELECTRICAL DETAILS				ELECTRICAL DETAILS			
PROJECT NO. SP 21-4				PROJECT NO. SP 21-4			
LACY PARK				LACY PARK			
MASTERPLAN PHASE 1				MASTERPLAN PHASE 1			
CITY OF TULSA, OKLAHOMA				CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT				ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:				PLANS AND ESTIMATES PREPARED BY:			
D. W. GATES ENGINEERING				D. W. GATES ENGINEERING			
616 S. MAIN ST. SUITE 112, TULSA, OKLAHOMA 74119 PH-918-583-8805				616 S. MAIN ST. SUITE 112, TULSA, OKLAHOMA 74119 PH-918-583-8805			
REVISION	BY	DATE	PLAN SCALE:	DRAWN	DJB	10/07/2022	APPROVED:
CONSTRUCTION DOCUMENTS	DJB	10/07/2022	NONE	DESIGNED	DWG	10/07/2022	
				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
			NONE	RECOMMENDED:			
			VERTICAL:	DESIGN MANAGER			
			NONE				
			FILE:	DRAWING:	E7		
			ATLAS PAGE NO. 7				

**ELECTRICAL DETAILS**  
SCALE: NONE

- ① AVERAGE FC: 29 FC
- ② HIGHEST FC: 50 FC
- ③ LOWEST FC: 5 FC



**PHOTOMETRICS - BASE BID BASKETBALL COURT**  
SCALE: 3/32" = 1'-0"

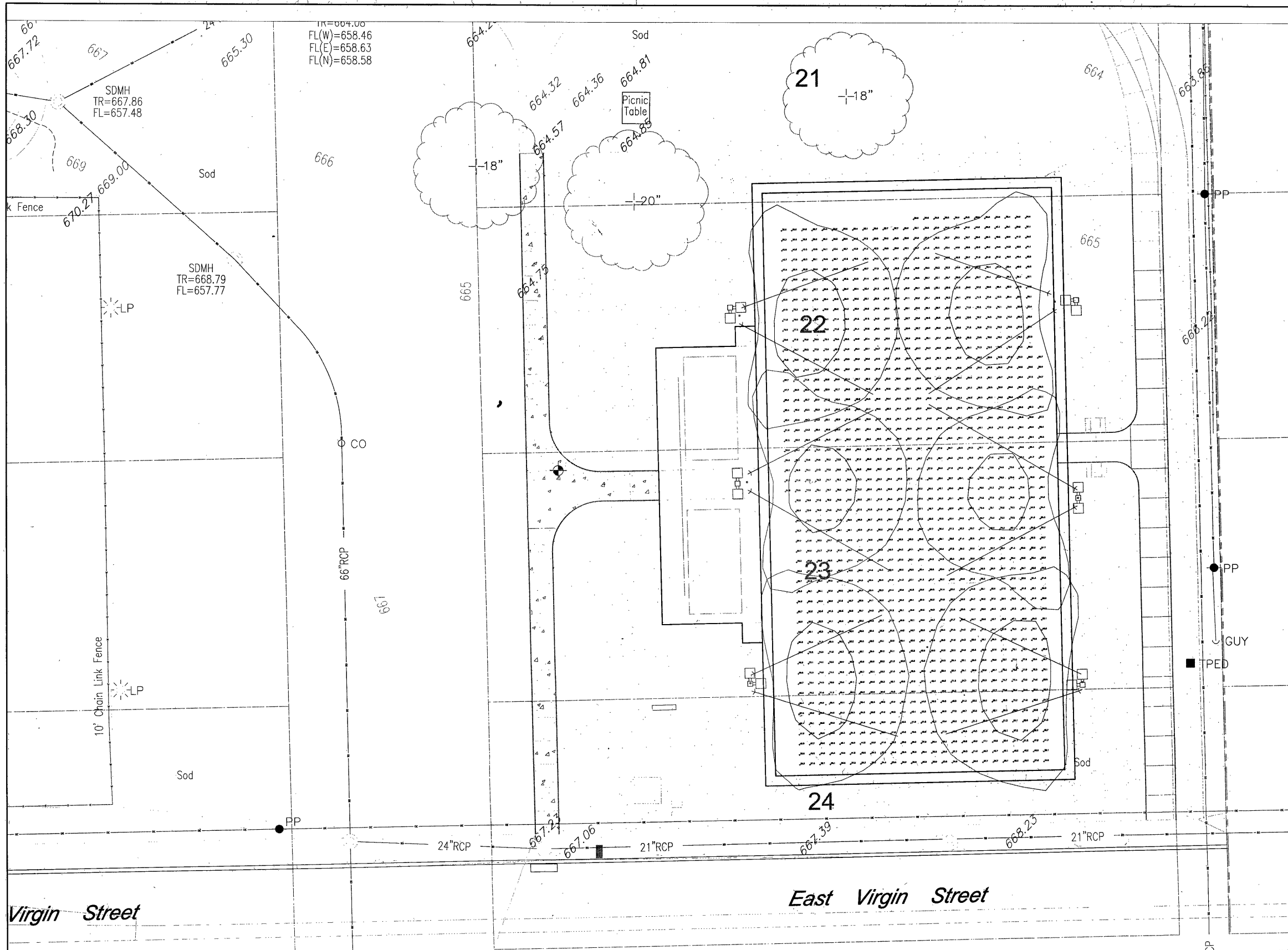
Henry Addington  
BLOCK 5



10-07-202

PHOTOMETRICS - BASE BID BASKETBALL COURT			
PROJECT NO. SP 21-4			
LACY PARK			
MASTERPLAN PHASE 1			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: <b>D. W. GATES ENGINEERING</b> 616 S. MAIN ST. SUITE 112, TULSA OKLAHOMA 74119 PH-918-583-6905			
DATE  7/20/22	PLAN SCALE:	DRAWN  DESIGNED  SURVEY	10/07/2022 DWG 10/07/2022
	NONE		
	PROFILE SCALE:	PROJ. MGR. <i>EG</i>	<i>10/22</i>
	HORIZONTAL:	LEAD ENGR. <i>harr</i>	<i>4/22</i>
	NONE	FIELD MGR. <i>Flu</i>	<i>2/23</i>
VERTICAL		RECOMMENDED:	
NONE		DESIGN MANAGER	
FILE:	DRAWING: E8		CITY ENGINEER
ATLAS PAGE NO: ?			DATE: OCTOBER 7, 2022
			SHEET E8 OF 43 SHEETS





**PHOTOMETRIC NOTES:**

- ① AVERAGE FC: 51 FC
- ② HIGHEST FC: 80 FC
- ③ LOWEST FC: 30 FC

Virgin Street

East Virgin Street

**PROPOSED PHOTOMETRICS - TENNIS COURT - ADD ALTERNATE A1**

SCALE: 3/32" = 1'-0"



*Derek Gates*  
10-07-2022

PHOTOMETRICS - TENNIS COURT - ADD ALTERNATE A1

PROJECT NO. SP 21-4

LACY PARK  
MASTERPLAN PHASE 1

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
D. W. GATES ENGINEERING  
616 S. MAIN ST., SUITE 112, TULSA, OKLAHOMA 74119 PH-918-583-6905

REVISION	BY	DATE	PLAN SCALE:	DRAWN	DJB	10/07/2022	APPROVED:
CONSTRUCTION DOCUMENTS	DJB	10/07/2022	NONE	DESIGNED	DWG	10/07/2022	
				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
			NONE	RECOMMENDED:			
			VERTICAL	DESIGN MANAGER			
			NONE				
			FILE:	DRAWING: E9			
			ATLAS PAGE NO: 7				