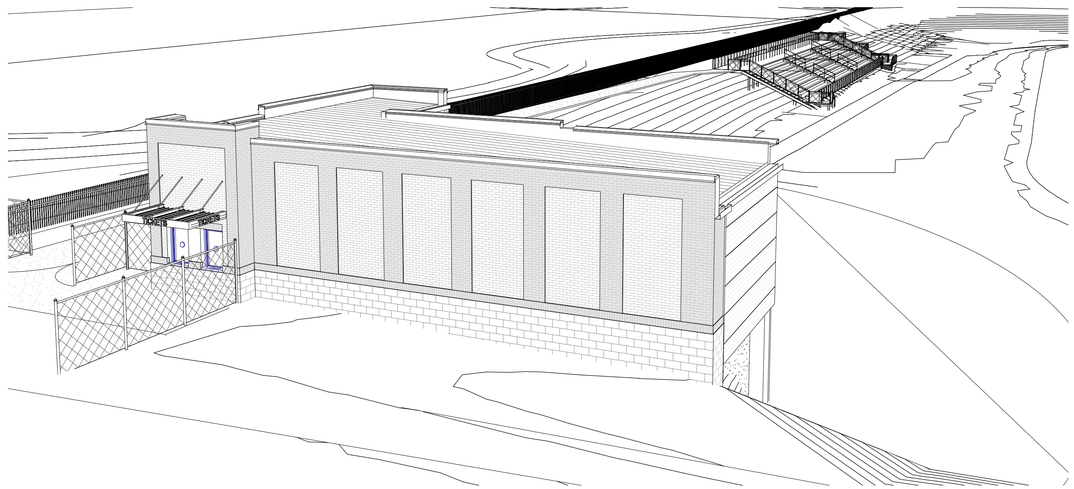
WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112
CONSTRUCTION DOCUMENTS



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REVISIONS

LOCATION MAP

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REED ARCHITECTURE
& INTERIORS

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02/09/2023

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ABBREVIATIONS

#15	NUMBER 15
15#	15 POUNDS
&	AND
<	ANGLE
@	AT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
CF	CUBIC FOOT
CIRC	CIRCUMFERENCE
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CO	CLEAN-OUT
COL	COLUMN
CY	CUBIC YARD
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISHED
FND	FOUNDATION
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
ID	INSIDE DIAMETER
IDB	INTERACTIVE WHITEBOARD
IN	INCHES
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LAV	LAVATORY
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPH	OPPOSITE HAND
OPP	OPPOSITE
OZ	OUNCE
PA	PUBLIC ADDRESS
PCF	POUNDS PER CUBIC FOOT
PER	PERIMETER
PLAM	PLASTIC LAMINATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REV	REVISION
RO	ROUGH OPENING
SF	SQUARE FOOT/FEET
SIM	SIMILAR
SQ	SQUARE
SS	STAINLESS STEEL
STOR	STORAGE
SUSP	SUSPENDED
SY	SQUARE YARD
SYM	SYMMETRICAL
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TOS	TOP OF STEEL
TSL	TOP OF SLAB
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WP	WORKING POINT

CEILING LEGEND

- GYPSUM BOARD CEILING
- LAY-IN CEILING - 2X2 GRID
- EXIT SIGN & TRAVEL DIRECTION
- 4' LED STRIP FIXTURE
- 4' LED LINEAR FIXTURE
- 8' LED LINEAR FIXTURE
- EXTERIOR WALL PACK
- 2'x4' LIGHT FIXTURE
- 1'x4' PENDANT LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST FAN
- FAN COIL UNIT
- FAN FORCED HEATER

LINE TYPES LEGEND

- MATCHLINE
- GRID LINE
- CENTERLINE
- HIDDEN LINE
- BREAK LINE
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED / REMOVED
- NEW CONSTRUCTION

DRAWING SYMBOLS

- Room name / 150 SF — AREA TAG
- NORTH — NORTH ARROW
- 1 — REVISION TAG (USED WITH CLOUD)
- 1001 / ROOM NAME — ROOM TAG
- 1 / A101 — BUILDING SECTION HEAD
- 1 / A101 — DETAIL SECTION HEAD
- 1 / A101 — WALL SECTION HEAD
- SPOT ELEVATION TARGET FILLED
- DATUM POINT
- ENLARGED 1 / A101 — VIEW REFERENCE
- 1 — WALL TAG
- 01 — WINDOW & LOUVER TAG
- 100 — DOOR TAG
- 0 1' 2' 4' — GRAPHIC SCALE
- 1/4" / 12" — SLOPE ARROW
- CP — CARD READER. CENTER MOUNTED AT 36" AFF
- PP — ADA PUSH PAD. CENTER MOUNTED AT 36" AFF
- SIM 1 / A101 — CALLOUT HEAD
- CEILING TAG TYPE & HEIGHT
- CL — CENTERLINE
- 1/A101 — EXTERIOR ELEVATION MARK
- 1/A101 — INTERIOR ELEVATION MARK
- 0 — GRID HEAD - NEW
- 0 — GRID HEAD - EXISTING
- [MC-1] 1 — KEYNOTE SYMBOL
- Name / Elevation — LEVEL HEAD EXISTING
- Name / Elevation — LEVEL HEAD NEW
- GDFG / GDFG — LEVEL SYMBOL
- [CPT-1] — MATERIAL TAG
- [CT-1] [CPT-1] — FINISH TRANSITION TAG
- STANDARD H/C SYMBOL
- 5' - 0" — DIMENSION LINE (TO FACE OF)

GENERAL NOTES

1. ALL DOCUMENTS WERE PREPARED BASED ON A REVIEW OF AVAILABLE RECORD DATA SUPPLIED BY THE OWNER. IN THE EVENT THAT UNFORSEEN UTILITIES, STRUCTURES OR CONDITIONS ARE DISCOVERED DURING CONSTRUCTION, THE ARCHITECT IS TO BE NOTIFIED IMMEDIATELY.
2. CONTRACTOR SHALL PRESENT A PROJECT STAGING PLAN TO THE OWNER AND PROJECT ARCHITECT PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ISSUES SUCH AS SITE ACCESS, LAY DOWN/STORAGE AREAS, PARKING AND PROJECT SEPARATION FROM EXISTING FACILITIES.
3. SITE OPERATIONS SHALL COMPLY WITH ALL REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION ESPECIALLY REGARDING SITE RUN-OFF CONTAINMENT, HOURS OF OPERATION, TRAFFIC AND ALL OTHER REGULATIONS PERTAINING TO NEW CONSTRUCTION PROJECTS.
4. CONTRACTOR IS ADVISED TO REVIEW GENERAL NOTES OF THE OTHER DESIGN DISCIPLINES CONTAINED IN THESE CONTRACT DOCUMENTS AND TO COORDINATE WITH VARIOUS TRADES AS REQUIRED IN THOSE GENERAL NOTES.
5. CONSTRUCTION OF THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH ALL CURRENT APPLICABLE BUILDING CODES AND REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).
6. CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY ONE TO THE OTHER. NEITHER TAKES PRECEDENCE OVER THE OTHER. IN CASE OF A CONFLICT, THE PROJECT ARCHITECT WILL EVALUATE AND DETERMINE A SOLUTION. GENERALLY, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
7. CONTRACT DOCUMENTS ARE INSTRUMENTS OF SERVICE ONLY. THEY ARE GRAPHIC AND WRITTEN REPRESENTATION OF THE GENERAL SCOPE OF THE FINISHED PROJECT AND DO NOT NECESSARILY INDICATE ALL WORK OR DETAILS REQUIRED FOR A FINISHED PROJECT. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL, EQUIPMENT AND LABOR NECESSARY FOR A COMPLETED PROJECT.
8. FOR WORK NOTED AS "PROVIDED BY OTHERS" OR "FURNISHED BY OWNER" CONTRACTOR SHALL COORDINATE AND PROVIDE SERVICES WITH THAT PROVIDER/FURNISHER FOR A FINISHED AND OPERABLE INSTALLATION.
9. ENLARGED PLANS AND DETAILS TAKE PRECEDENCE OVER SMALL SCALE PLANS AND ELEVATIONS. DO NOT SCALE DRAWINGS. DIMENSION CONFLICTS SHALL BE BROUGHT TO THE PROJECT ARCHITECT FOR RESOLUTION.
10. EXISTING SITE COMPONENTS NOT SCHEDULED FOR DEMOLITION INCLUDING EXISTING LANDSCAPING ARE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. ITEMS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED OR REPAIRED TO OWNER'S SATISFACTION.
11. HEIGHTS AND ELEVATIONS SHALL BE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED. CONTRACTORS SHALL ENSURE FINISH MATERIALS WILL BE FLUSH WITH ADJACENT SURFACES AND JOINTS. (EXCEPT WHERE INDICATED OTHERWISE.)
12. DIMENSIONS ARE TO FACE OF STUD, SUBTRATE OR MASONRY. DIMENSIONS ARE TO THE CENTERLINE OF COLUMNS AND GRIDS. DIMENSIONS IN MASONRY WALLS AND PARTITIONS ARE TO THE ROUGH OPENINGS OF DOORS, WINDOWS AND OTHER SCHEDULED OPENINGS.
13. PENETRATIONS OF FIRE RATED WALL AND FLOOR ASSEMBLIES SHALL BE FIRESTOPPED WITH THROUGH PENETRATION FIRESTOP SYSTEMS.
14. COORDINATE ACCESS DOOR LOCATIONS AND MISCELLANEOUS WALL PENETRATIONS (FOR CONCEALED ITEMS) WITH APPROPRIATE CONTRACTORS.
15. SCHEDULES:
    A. DOOR AND FRAME SCHEDULE: REFER TO DRAWING A600
    B. ROOM FINISH SCHEDULE: REFER TO DRAWING A700
    C. MOUNTING HEIGHT SCHEDULE: REFER TO DRAWING G002
    D. PARTITION TYPE SCHEDULE: REFER TO DRAWINGS A100
16. THE TERM "TYPICAL" OR TYP AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS THE SAME FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED.
17. REFER TO THE ABBREVIATIONS LIST FOR ABBREVIATIONS THROUGHOUT THE CONTRACT DOCUMENTS
18. ARCHITECTURAL ELEVATION 100'-0" = SITE / CIVIL ELEVATION 724.50'
19. NON ARCHITECTURAL WORK QUANTIFIED AND SPECIFIED ON OTHER DRAWINGS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL DRAWINGS UNLESS OTHERWISE NOTED OR DIMENSIONED. ANY WORK THAT IS NOT LOCATED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AS SOON AS POSSIBLE.
20. UNLESS MARKED OTHERWISE, ALL PIPING, DUCTWORK, CONDUIT AND STRUCTURAL ELEMENTS ARE TO BE CONCEALED. STRUCTURAL AND OTHER ELEMENTS SCHEDULED TO REMAIN EXPOSED SHALL RECEIVE APPROPRIATE PROTECTIVE COATINGS WHETHER INCLUDED IN SPECIFICATIONS OR NOT.
21. EXPOSED PROTRUDING ELEMENTS SUCH AS SILLS, LEDGES, SOLID SURFACE CAPS, SHELVES, DOOR TOPS AND BOTTOMS, MILLWORK SHALL BE FINISHED THE SAME THROUGHOUT.
22. CONTRACTOR SHALL COOPERATE WITH OWNER DURING CONSTRUCTION TO ENSURE LEAST POSSIBLE INTERRUPTION OF ON-GOING OPERATIONS. CONTRACTOR SHALL COORDINATE DATES AND TIMES OF SITE ACCESS REQUIRED BY OWNER'S SCHEDULE OF OPERATIONS. INTERRUPTION OF EXISTING SITE UTILITIES ARE FURTHER DESCRIBED IN CONSTRUCTION SPECIFICATION DIVISIONS.
23. CONSTRUCTION ITEMS SHOWN AS 'DELEGATED DESIGN' REQUIRE COORDINATION AND INCORPORATION BY THE CONTRACTOR AND ARE NOT STAND-ALONE ITEMS NECESSARILY. CONTRACTOR AND SUPPLIER SHALL COORDINATE REQUIREMENTS TO PROVIDE A COMPLETE AND OPERABLE INSTALLATION.
24. REQUESTS FOR INFORMATION WITH INTERPRETATION READILY AVAILABLE IN CONTRACT DOCUMENTS WILL BE RETURNED TO CONTRACTOR AND NOTED AS 'INFORMATION READILY AVAILABLE.'

DIMENSIONING CONVENTIONS

A. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN", DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.

B. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE ALL DIMENSIONS REQUIRED ARE SHOWN (OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED) ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS SEE THE NOTES BELOW AND SYMBOLS THIS SHEET FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.

C. EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:

1. DIMENSIONS UTILIZING THE "CENTERLINE" SYMBOL ARE MEASURED TO:
   a. STRUCTURAL OR DIMENSIONAL GRID LINES.
   b. CENTERLINE OF CONCRETE OR CONCRETE MASONRY UNIT WALLS (EXCLUSIVE OF FURRING OR APPLIED FINISHES HAVING THICKNESS). REFER TO THE ARCHITECTURAL PLANS AND SECTIONS, THE STRUCTURAL DRAWINGS, OR PARTITION SCHEDULE TO DETERMINE THE THICKNESS OF CONCRETE OR CONCRETE MASONRY UNIT WALLS.
   c. CENTERLINE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE APPLIED TO SUCH WALLS) AT PARTITIONS FRAMED WITH METAL STUDS. REFER TO " PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
   d. CENTERLINE OF DOOR, WINDOW, OR LOUVER OPENING.
   e. CENTERLINE OF EQUIPMENT OR FURNISHING.
   f. CENTERLINE OF OTHER FEATURES AS INDICATED.
2. REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE CENTERLINE DIMENSION.
3. DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO:
   a. FACE OF CONCRETE OR CONCRETE MASONRY UNIT WALL (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING WHICH MAY BE ADDED TO THE FACE OF SUCH WALLS).
   b. FACE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALL) AS DEFINED BY THE PARTITION SCHEDULE UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTE "E" BELOW), DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
4. REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE "FACE OF" DIMENSION
5. WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, THE DIMENSION IS MEASURED TO:
   a. FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF SECTION WHERE DIMENSION IS SHOWN. WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE, THIS CASE, A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION.
   b. FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINT OF THE SECTION THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS.
6. WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:
   a. EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING.
   b. CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR (EXCEPT AS INDICATED BY "CLEAR") BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONSTRUCTION MANAGER/ CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT THE PLANE OF THE CEILING.

D. WHERE DIMENSIONS ARE NOT PROVIDED ON FLOOR PLANS TO LOCATED DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER TO DETERMINE THE LOCATION OF DOOR OPENINGS (REFER DIAGRAM 1a):

1. DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.
2. WHERE THE HINGE - SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL - OR WALLS - PERPENDICULAR TO THE WALL IN WHICH THE DOOR OPENING OCCURS:
   a. AT DOORS OCCURRING IN METAL FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 4" FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
   b. AT DOORS OCCURRING IN WALLS OF CONCRETE MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 8" FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
   c. WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IS 16'-0" OR LESS, LOCATED DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:

DIMENSION A	=	18" MIN.
DIMENSION B	=	12" MIN.
DIMENSION C	=	DOOR WIDTH + 2" MIN.
DIMENSION D	=	6" MIN. AT METAL FRAMED GYPSUM BOARD PARTITIONS OR - EVEN MULTIPLES OF 1/2". CONCRETE MASONRY UNIT MODULE PLUS 2" AT CONCRETE MASONRY UNIT PARTITIONS
DIMENSIONS E AND F	=	AS SHOWN ON PLANS
DIMENSION G	=	36" MIN.
DIMENSION H	=	60" MIN.

   IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWINGS SO THAT EITHER "DIM A" EQUALS "DIM C" OR DIM B" EQUALS "DIM D"

   d. WHERE DOOR IS SHOWN LOCATED IN A LARGE EXPANSE OF OPEN WALL ("DIM E" AND "DIM F" IN DIAGRAM 1a BOTH EXCEED 16'-0"), PLACE DOOR AT APPROXIMATE LOCATION SHOWN ON THE PLANS. WHERE DOOR OCCURS IN CMU WALL, PLACE DOOR AT APPROXIMATE LOCATION SHOWN WHILE MINIMIZING "CUT" OR PARTIAL CMU MODULES ADJACENT THE JAMBS.

E. WHERE WALLS AND/ OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN EXPOSED FACES, UNLESS OTHERWISE NOTED

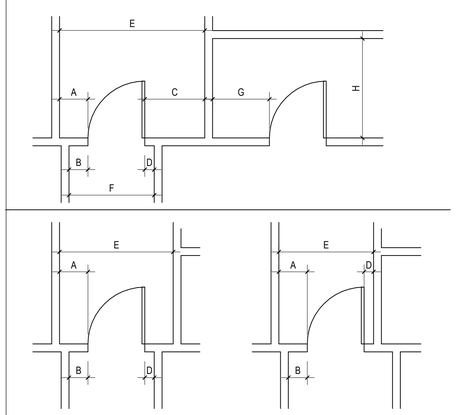

DIAGRAM 1a

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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

GENERAL ARCHITECTURAL LEGENDS ABBREVIATIONS NOTES AND SYMBOLS

JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR
SCALE	As indicated

G001

STATE OF OKLAHOMA
DAVID R. REED
LICENSED ARCHITECT
TULSA, OK
2/9/2023

2/8/2023 11:12:42 AM

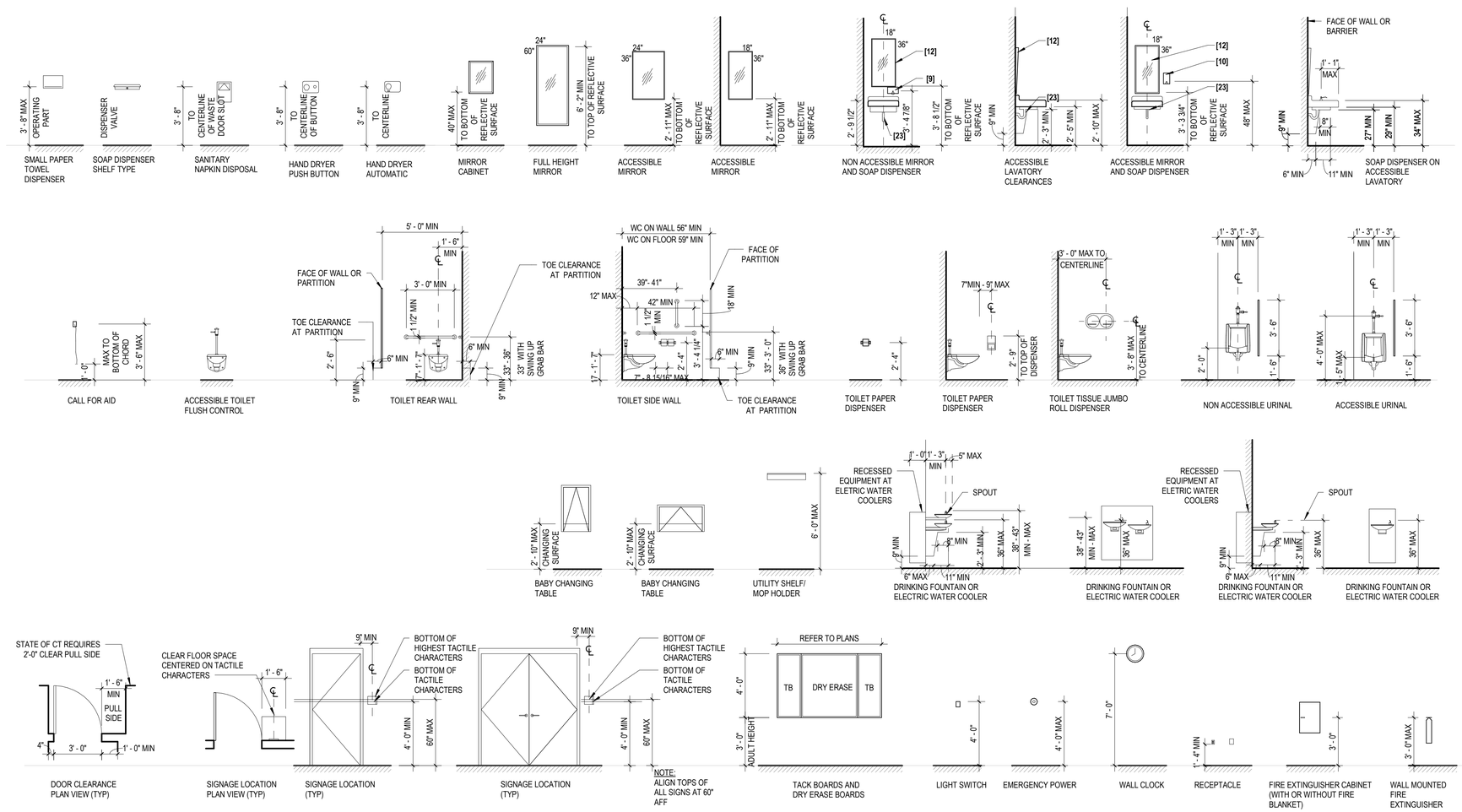
1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

TOILET ACCESSORY LEGEND	
BCS	BABY CHANGING STATION
GB1	18" GRAB BAR
GB2	36" GRAB BAR
GB3	42" GRAB BAR
HK	ROBE HOOK
MR	MIRROR
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SHLF	UTILITY SHELF
SND	SANITARY NAPKIN DISPOSAL
TP1	TOILET PARTITION
TP2	URINAL SCREEN
TTD	TOILET TISSUE DISPENSER
WR	WASTE RECEPTACLE

NOTES

1. WASTE AND HOT WATER PIPING TO BE INSULATED AT ACCESSBILE LAVATORIES AND SINKS
2. MOUNTING HEIGHT FOR ALL OPERATING PARTS OF MISCELLANEOUS ACCESSORIES IS 15" AFF MIN. AND 48" AFF MAX. (FIRE ALARMS, SECURITY, THERMOSTATS, ETC.)
3. PROVIDE CONCEALED SOLID BLOCKING IN STUD WALLS FOR ACCESSORY MOUNTING.
4. REFER TO PLANS AND ELEVATIONS FOR REQUIRED ACCESSORIES.

ADA - MOUNTING HEIGHTS



1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

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STRUCTURAL ENGINEER
SNOWDEN ENGINEERING, INC.
8128 EAST 63rd STREET
TULSA, OKLAHOMA
918.252.4557

CONSULTANT:

MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

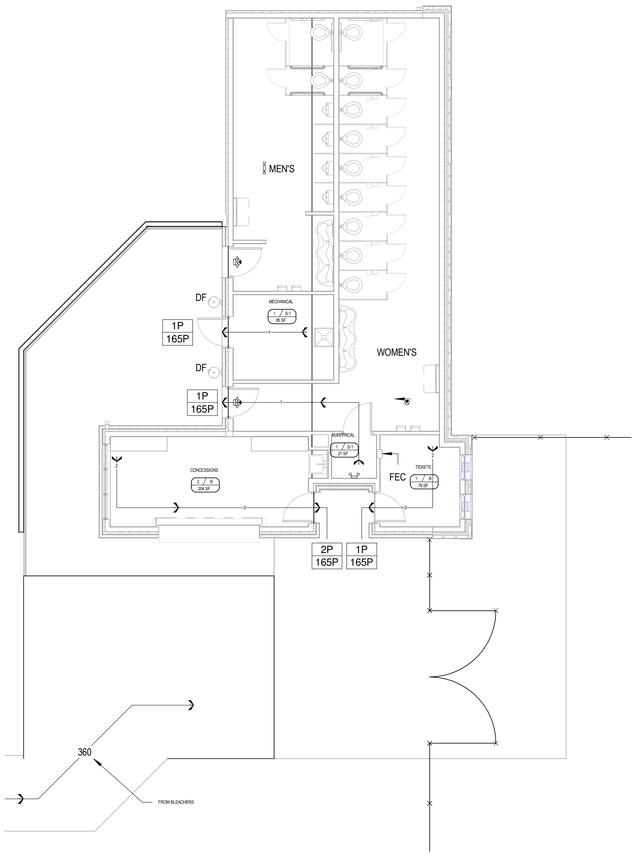
TYPICAL ACCESSORY MOUNTING HEIGHTS AND LOCATIONS

JOB 2022.09
ISSUE 02/09/2023
DRAWN BY: BLB
CHK'D BY: DRR

G002

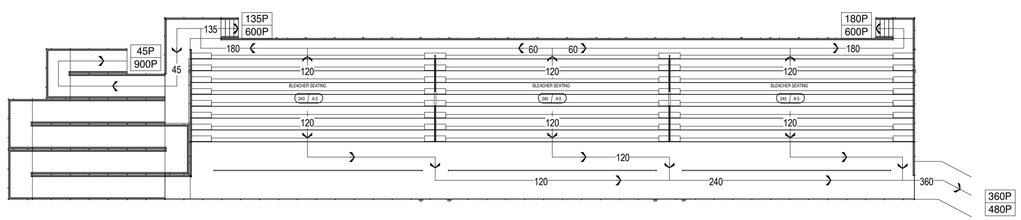
SCALE 1/4" = 1'-0"

STATE OF OKLAHOMA
DAVID R. REED
#1162
TULSA, OK
LICENSED ARCHITECT
2/9/2023



2 BUILDING CODE PLAN

1/8" = 1'-0"



1 BLEACHER CODE PLAN

1/16" = 1'-0"

TOTAL OCCUPANCY - BUILDING	
B	4
S-1	2
TOTAL OCCUPANT LOAD:	6

TOTAL OCCUPANCY - BLEACHERS	
A-5	720
TOTAL OCCUPANT LOAD:	720

CODE REFERENCE PLAN LEGEND

ROOM OCCUPANCY LOAD TAG
- OCCUPANCY LOAD (PEOPLE)
- ROOM NAME
- OCCUPANCY TYPE
- ROOM AREA

(ROOM NAME) / (OCCUPANCY TYPE) / (ROOM AREA)

EXIT CAPACITY TAG
- 100P — ACTUAL EGRESS CAPACITY (PEOPLE)
- 165P — ALLOWABLE EGRESS CAPACITY (PEOPLE)

125, 200, 75 — DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD

100'-0" — COMMON PATH TRAVEL DISTANCE

200'-0" — EXIT ACCESS TRAVEL DISTANCE

FEC — FIRE EXTINGUISHER CABINET

DF — DRINKING FOUNTAIN

DOOR EGRESS CAPACITY

0P 165P	3'-0" DOOR (33" CLR.)	0P 195P	3'-6" DOOR (39" CLR.)
0P 225P	4'-0" DOOR (45" CLR.)	0P 330P	6'-0" DOUBLE DOOR (66" CLR.)

TRAVEL DISTANCE REQUIREMENTS

BUSINESS (B) WITHOUT SPRINKLER SYSTEM
- COMMON PATH = 100'-0"
- EXIT ACCESS = 200'-0"

STORAGE (S-1) WITHOUT SPRINKLER SYSTEM
- COMMON PATH = 100'-0"
- EXIT ACCESS = 200'-0"

OCCUPANT LOAD FACTOR

ASSEMBLY (A-5)	
FIXED SEATING (BLEACHERS)	1 OCC. / 18"
BUSINESS	100 GROSS
STORAGE AND MECHANICAL AREAS	300 GROSS

CODE INFORMATION

1. GENERAL INFORMATION

LOCATION: TULSA, OKLAHOMA
AUTHORITY HAVING JUSRISDICTION: CITY OF TULSA, OKLAHOMA
PROJECT DESCRIPTION: NON-SPRINKLERED 1,375 SQ. FT. TICKET / RESTROOM / CONCESSION BUILDING AND ALUMINUM BLEACHERS AT EXISTING WILL ROGERS STADIUM.

2. APPLICABLE CODES

INTERNATIONAL BUILDING CODE 2018
INTERNATIONAL MECHANICAL CODE 2018
INTERNATIONAL PLUMBING CODE 2018
NATIONAL ELECTRICAL CODE 2017
INTERNATIONAL FUEL GAS CODE 2018
ICC A117.1 - 2009
ICC 300 - 2012

3. GROUP CLASSIFICATION (CHAPTER 3)

PRIMARY	BUSINESS (B)
ACCESSORY	ASSEMBLY (A-5)
ACCESSORY	STORAGE

4. CONSTRUCTION TYPE (CHAPTER 6)

ACTUAL TYPE PROVIDED — IIB

5. BUILDING HEIGHT (CHAPTER 5)

ALLOWABLE HEIGHT NON-SPRINKLERED (STORY/FEET)	3 STORY/ 55 FEET
ACTUAL HEIGHT (STORY/FEET)	1 STORY/ 16.75 FEET
STORIES ABOVE GRADE	1 STORY

6. BUILDING AREA (CHAPTER 5)

A. ALLOWABLE AREA PER FLOOR (Aa)

Aa = 23,000 SQ. FT.

B. ACTUAL AREA
TOTAL FLOOR 1,375 SQ. FT.

7. BUILDING CONSTRUCTION CLASSIFICATION

TYPE IIB CONSTRUCTION

8. FIRE RESISTANCE RATING REQUIREMENTS

STRUCTURAL FRAME (COLUMNS, GIRDERS, & TRUSSES	0 HRS
BEARING EXTERIOR WALLS	0 HRS
BEARING INTERIOR WALLS	0 HRS
NON-BEARING EXTERIOR WALLS	0 HRS
NON-BEARING INTERIOR WALLS	0 HRS
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0 HRS
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0 HRS

9. OCCUPANCY LOAD

OCCUPANT LOAD BUILDING	6
OCCUPANT LOAD BLEACHERS	720
OCCUPANT LOAD TOTAL FACILITY	726
EXIT CAPACITY BUILDING	330
EXIT CAPACITY BLEACHERS	1,584
EXIT CAPACITY TOTAL FACILITY	1,914

10. MINIMUM PLUMBING FIXTURE COUNT (IPC CHAPTER 4)

TOTAL FACILITY	REQUIRED	PROVIDED
W/C FEMALE	9	9
W/C MALE	5	6
LAVATORIES FEMALE	3	3
LAVATORIES MALE	2	3
DRINKING FOUNTAINS	1	2
SERVICE SINKS	1	1

11. SPRINKLER PROTECTION

ENTIRE FACILITY	NO
LIMITED AREA	-
FULL SUPPRESSION SYSTEM	NO
NOTIFICATION/ALARMS	NO
DETECTION	NO

12. INTERIOR FINISHES

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS A OR B IN CORRIDORS. INTERIOR WALL AND CEILING FINISHES IN ENCLOSED ROOMS SHALL BE A, B, OR C. INTERIOR FINISHES IN STAIRS, CORRIDORS, LOBBIES, AND EXITS SHALL BE CLASS A OR B. FLOOR COVERINGS WITHIN STAIRS, CORRIDORS OR EXITS SHALL BE CLASS I OR II.

REED ARCHITECTURE & INTERIORS
"The Team You Trust"

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123 NORTH M.L.K. Jr. BOULEVARD
TULSA, OKLAHOMA
918.584.5858

CONSULTANT:

STRUCTURAL ENGINEER
SNOWDEN ENGINEERING, INC.
8128 EAST 63rd STREET
TULSA, OKLAHOMA
918.252.4557

CONSULTANT:

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TULSA, OKLAHOMA 74112

REVISIONS

CODE INFORMATION AND EGRESS PLANS

JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR

STATE OF OKLAHOMA
DAVID R. REED
4152
TULSA, OK
LICENSED ARCHITECT
2/9/2023

G003

SCALE As indicated

2/8/2023 11:12:46 AM

1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

Will Rogers Stadium Visitor's Addition

IDP NO. xxxxxx-2023

3909 EAST 5TH PLACE

General Construction Notes:

1. ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY STANDARDS AND SPECIFICATIONS.
2. EXISTING UNDERGROUND LINES HAVE BEEN SHOWN TO THE EXTENT KNOWN AND LOCATIONS HAVE BEEN VERIFIED BY THE OWNERS OF SAID LINES. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO ANY EXCAVATION.
3. AFTER CONSTRUCTION IS COMPLETE, ALL DISTURBED AREAS SHALL BE RESEEDED ACCORDING TO CITY SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDED AREAS UNTIL GROWTH IS ESTABLISHED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY WORK ORDERS AND PERMITS FROM THE CITY, INCLUDING PROVISIONS OF BONDS AND INSURANCE AS REQUIRED.
5. BUILDING SITES ARE SHOWN HEREON FOR FINAL GRADING INFORMATION ONLY. WALLACE DESIGN COLLECTIVE, PC. HAS NOT DESIGNED SUBGRADES OR FOUNDATIONS, OR DETERMINED THE SUITABILITY OF THE LOCAL SOIL TO BE USED IN BUILDING SUBGRADES. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION SPECIFICS.
6. ALL WASTE OR SPOIL SHALL BE TAKEN TO A CITY APPROVED SITE OR SPREAD IN AREAS OUTSIDE OF THE STREET RIGHTS-OF-WAY AS DIRECTED BY THE OWNER AND ENGINEER.
7. A RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR ALL WORK IN THE CITY RIGHT-OF-WAY. CALL 918-569-7344 FOR PERMIT INFORMATION.
8. ALL GRADES ARE BASED ON NAVD 1988 U.S.G.S. VERTICAL DATUM.

Engineering Statement

BY MY SIGNATURE ON THESE CONSTRUCTION DOCUMENTS, I HEREBY CERTIFY THAT I AM FAMILIAR WITH THE ADOPTED ORDINANCES AND REGULATIONS OF THE CITY OF TULSA GOVERNING THIS IDP CONSISTING OF THE ITEMS LISTED IN THE IDP DESCRIPTION TO SERVE THIS SUBJECT PROPERTY; THAT THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION; THE ABOVE AND FOREGOING PLANS COMPLY WITH ALL GOVERNING ORDINANCES AND THE ADOPTED STANDARDS OF THE CITY OF TULSA TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE ENTIRE PROJECT IS WITHIN THE CORPORATE LIMITS OF THE CITY OF TULSA. THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.

Contact List

WALLACE DESIGN COLLECTIVE NICOLE WATTS 123 MLK JR. BLVD. TULSA, OKLAHOMA 74103 PHONE: (918) 584-5858	SCOTT GIDEON - NEW SERVICE 5848 EAST 15TH STREET TULSA, OK 74112 PHONE: (918) 831-8386
CITY OF TULSA CHRIS KOVAC 2317 S. JACKSON AVENUE TULSA, OK 74107 PHONE: (918) 596-7285	SBC TELEPHONE COMPANY STEVE SPRADLIN 5305 EAST 71ST ST TULSA, OK 74136 PHONE: (918) 596-6588
AEP/PSO KATHY BLEVINS 212 EAST 6TH STREET TULSA, OK 74102 PHONE: (918) 599-6503 OKLAHOMA NATURAL GAS	COX COMMUNICATIONS ROBERT DREW 11811 EAST 51ST STREET TULSA, OK 74145 PHONE: (918) 286-4657

Floodplain Determination

REGULATORY FLOODPLAIN ELEVATION	720.10
CASE ID #	31159830

Floodplain Information

FEMA PANEL # 40143C0243L	EFFECTIVE DATE 10/16/2012
COT REGULATORY FLOODPLAIN PANEL 37	EFFECTIVE DATE 03/9/2021
FLOODPLAIN DETERMINATION CASE ID	31159830

Legal Description

A TRACT OF LAND IN THE SOUTHWEST QUARTER (SW/4) OF SECTION FOUR (4), TOWNSHIP NINETEEN (19) NORTH, RANGE THIRTEEN (13) EAST OF THE INDIAN BASE AND MERIDIAN, CITY OF TULSA, TULSA COUNTY, STATE OF OKLAHOMA, ACCORDING TO THE U.S. GOVERNMENT SURVEY THEREOF, SAID TRACT BEING DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT A POINT 1,219.4 FEET EAST AND 25 FEET SOUTH OF THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OR SAID SECTION 4; THENCE SOUTH 791.00 FEET; THENCE SOUTHWEST 40.03 FEET; THENCE EAST 1,437.10 FEET; THENCE NORTH 826.00 FEET; THENCE WEST 1,417.08 FEET TO THE POINT OF BEGINNING, LESS THE SOUTH 35.00 FEET FOR STREET

IDP Description

-UTILITY PAVEMENT REHABILITATION
-SIDEWALK
-SANITARY SEWER
-DRIVEWAY
-WATERLINE

ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL. AND HARVARD AVE.

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

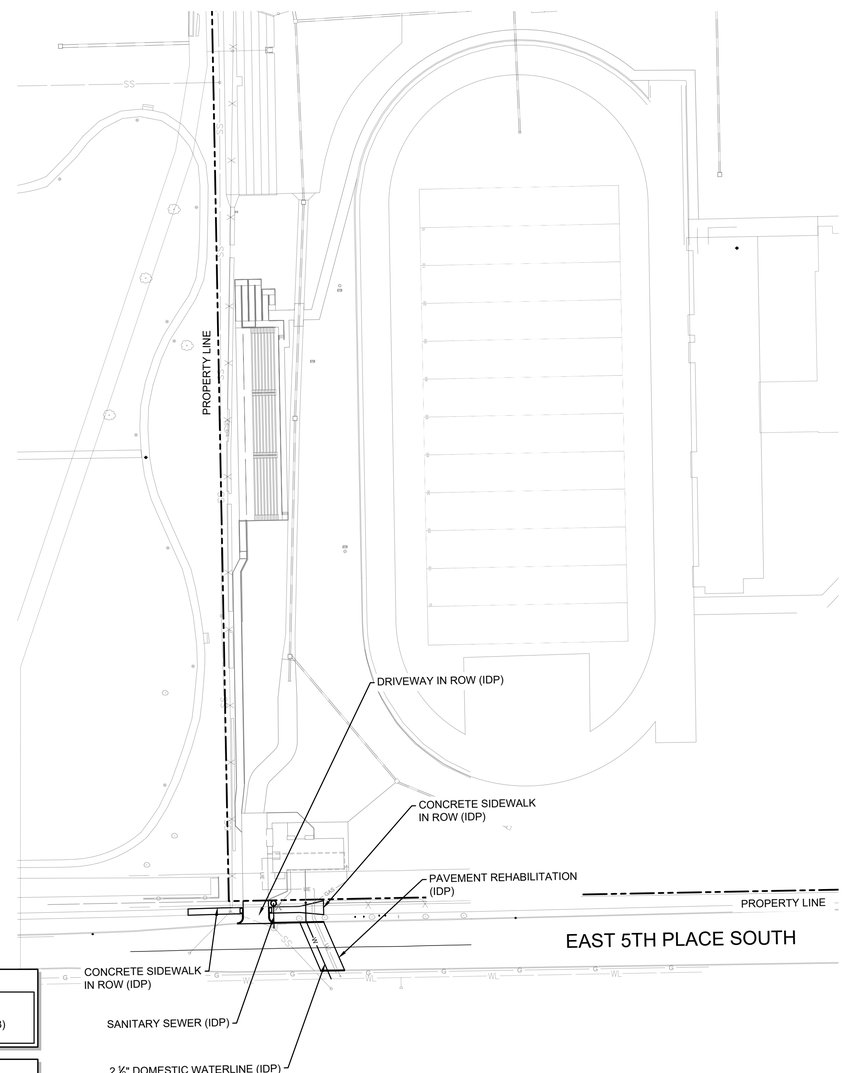
ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1	Benchmark 2	Benchmark 3
CUT 'X' ON CURB OF E 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76	CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52	MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44
Benchmark 4	**Benchmark 5**	**Benchmark 6**
MAG NAIL IN CENTER ASPHALT SIDEWALK (N:426477.61, E:2577652.08) ELEVATION=720.90	CUT 'X' ON CURB OF E 5TH PL (N:426100.17, E:2577609.97) ELEVATION=724.52	CUT 'X' ON CURB OF E 5TH PL (N:426112.99, E:2577944.89) ELEVATION=727.62

OWNER:
Tulsa Public Schools
3027 SOUTH NEW HAVEN
Tulsa, Oklahoma
Phone: (918) 746-6129
Contact: Tara Logan
loganta3@tulsaschools.org

ENGINEER/SURVEYOR:
Wallace Design Collective, PC
123 MLK Jr. Blvd.
Tulsa, Oklahoma, 74103
Phone: (918) 584-5858
A. NICOLE WATTS, P.E. NO. 21511
OK CA NO. 1460, EXPIRES 6/30/2023
nicole.watts@wallace.design

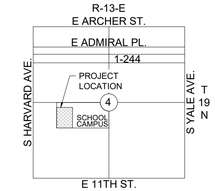
SURVEYOR:
Wallace Design Collective, PC
410 N Walnut Ave, Suite 200
Oklahoma City, Oklahoma, 73104
Phone: (405) 236-5858
LEE MARTIN, P.L.S. NO. 2004
OK CA NO. 1460, EXPIRES 6/30/2023
lee.martin@wallace.design



NORTH

0 30' 60' 90'

Scale: 1"= 60'



LOCATION MAP
SCALE: NTS

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
UE	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

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GE04	-	4	-	IDP GRADING PLAN
GE05	-	5	-	IDP EROSION CONTROL PLAN
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C601*	-	28	-	PAVING PLAN - SOUTH*
C800*	-	29	-	DETAILS*

*NOTED SHEETS FOR REFERENCE ONLY, NOT PART OF IDP AND NOT INCLUDED IN THE IDP REVIEW CALCULATION.

THE FOLLOWING STANDARD DRAWINGS FROM THE CITY OF TULSA ENGINEERING SERVICES AND ODOT WILL BE REQUIRED:

126	STANDARD SILT FENCE & CONSTRUCTION ENTRANCE
351	BEDDING DETAIL PVC FLEXIBLE SANITARY SEWER PIPE
353	FRAME AND LID FOR 4' I.D. SANITARY MANHOLE
358	SANITARY SEWER PRE-CAST SANITARY SEWER MANHOLE
361	IN-LINE TEES FOR SERVICE CONNECTIONS
366	MANHOLE STEP LOCATION AND INVERT DETAILS
504	STANDARD METER SETTINGS FOR 2" WATER SERVICE
702	RESIDENTIAL CONCRETE DRIVEWAY ASPHALT STREET
727	CONCRETE PAVEMENT STANDARD DETAILS FOR ALLEYS, RESIDENTIAL, AND COLLECTOR STREETS (1 OF 2)
729	CONCRETE PAVEMENT STANDARD DETAILS FOR ALLEYS, RESIDENTIAL, AND COLLECTOR STREETS (2 OF 2)
733	STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION
790	STANDARD SIDEWALK RAMP

Impervious Area

TOTAL SITE AREA:	1,103,084.00 SF (25.33 AC)
TOTAL DISTURBED AREA:	66,680.68 SF (1.53AC)
EXISTING IMPERVIOUS AREA:	8,163.30 SF (0.19 AC)
PROPOSED IMPERVIOUS AREA:	17,574.82SF (0.40 AC)
NET INCREASE:	+ 9,411.52 SF

APPROVED
FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
"The Team You Trust"

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CA# 1460 EXP. DATE 6/30/2023

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8128 EAST 63rd STREET
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02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

COVER SHEET

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

GE01

SCALE 1"=60'

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

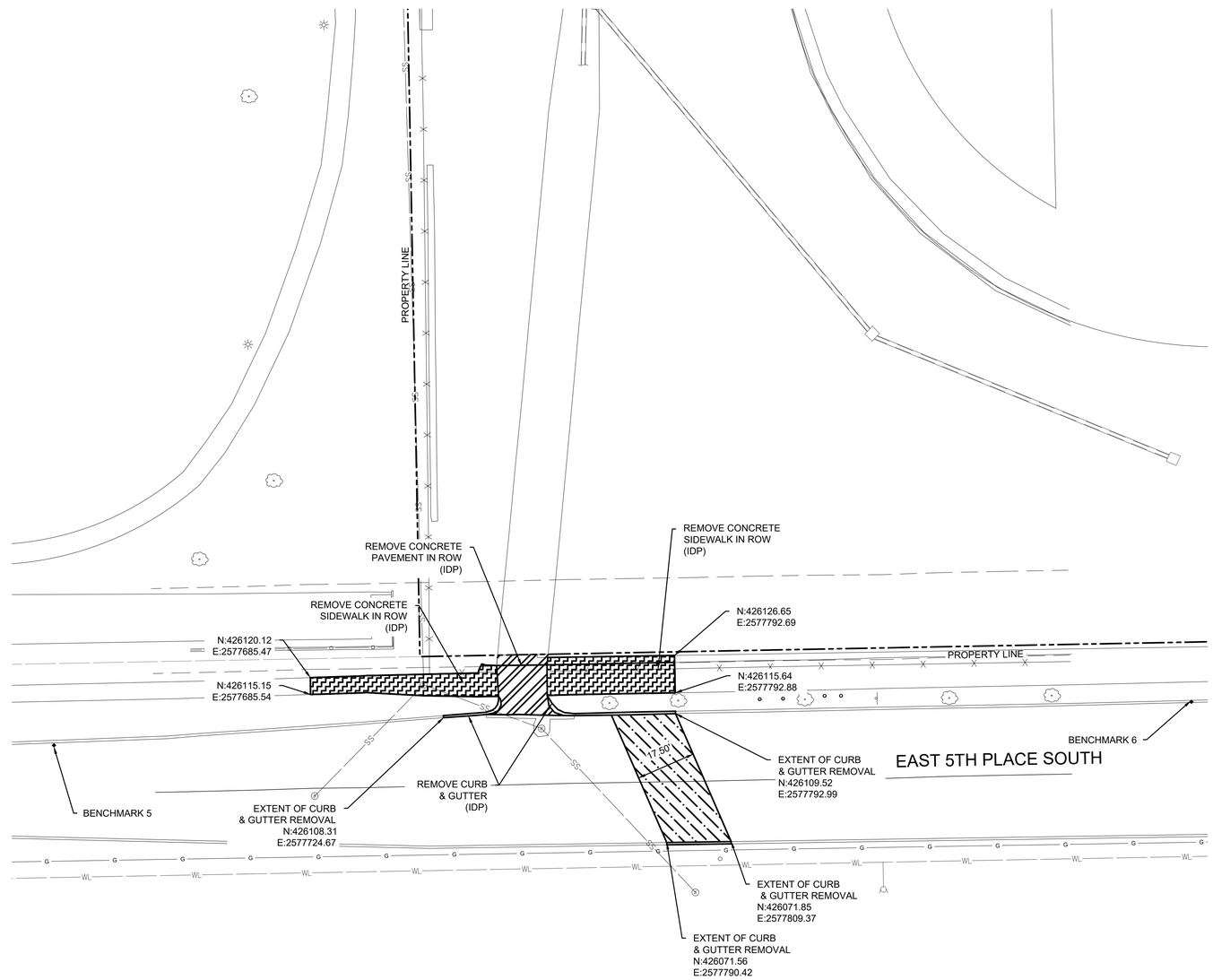
ORIG SIZE:22"X34"
PLOT:2/9/2023 3:30:09 PM
\\civil-server\Projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP01_GE01_Cover Sheet.dwg

Demolition Plan

1. DEMOLITION AND REMOVAL OPERATIONS SHALL COMMENCE ONLY AFTER ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND FUNCTIONAL.
2. PROVIDE NEAT AND STRAIGHT SAWCUTS OF EXISTING PAVEMENT ALONG ALL LIMITS OF PAVEMENT DEMOLITION.
3. ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. DISPOSE OF OFF THE OWNER'S PROPERTY IN A LEGAL MANNER.
4. ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., IN THE AREA TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE PROVIDED THAT THE GRADATION, CONSISTENCE, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS. BASE COURSE MATERIALS SHALL BE WORKED IN THE SUBGRADE OF AREAS TO RECEIVE PLANTING.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK.
6. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
7. ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER.
8. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, FENCES, TREES, UTILITIES AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR-CAUSED DAMAGE SHALL BE REPAIRED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
9. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL AND COMPACTED TO 98% OF MAXIMUM DENSITY PER ASTM D698.
10. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO UTILITY DISCONNECT.
11. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED DEMOLITION OPERATIONS.
12. EXISTING INFORMATION / TOPOGRAPHIC SURVEY WAS PREPARED BY WALLACE DESIGN COLLECTIVE, PC DATED APRIL 19, 2022.
13. PAVEMENT MARKINGS TO BE REMOVED SHALL BE PAINTED OVER TO MATCH PAVEMENT OR REMOVED WITH WIRE BRUSHING.
14. EXCEPT AS SHOWN, NO TREES SHALL BE REMOVED AND / OR VEGETATION DISTURBED WITHOUT APPROVAL OF THE ARCHITECT / ENGINEER.
15. TREE PROTECTION SHALL CONSISTS OF THE FOLLOWING STEPS:
    - 15.1. CONTRACTOR SHALL HIRE A LICENSED LANDSCAPE CONTRACTOR TO OBSERVE TREE PROTECTION.
    - 15.2. PRIOR TO ANY GRADING OPERATIONS, LOCATE TREES TO BE PROTECTED AND NEATLY CUT ROOTS TO A DEPTH OF 30" AT THE DIMENSIONED LIMITS SHOWN USING A UTILITY TRENCHING MACHINE.
    - 15.3. TREAT EXPOSED ROOTS WITH A HORTICULTURAL TREE PRUNING PROTECTION PRODUCT.
    - 15.4. PRUNE TREE LIMBS BY THE SAME PROPORTIONAL PERCENTAGE AS TREE ROOTS REMOVED (I.E. 25% OF ROOTS REMOVED SHALL RESULT IN 25% OF TREE LIMBS REMOVED).
    - 15.5. INSTALL A CONSTRUCTION FENCE TO THE LIMITS SHOWN AT LEAST 4' IN HEIGHT.
    - 15.6. BEGIN CLEARING AND GRADING OPERATIONS.

Hatch Legend

- REMOVE EXISTING PAVEMENT FOR UTILITY REHABILITATION (COT STD. 733)
- REMOVE CONCRETE SIDEWALK IN ROW
- REMOVE CONCRETE PAVEMENT IN ROW



NORTH

0 10' 20' 30'

Scale: 1"= 20'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL, AND HARVARD AVE.

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1
CUT 'X' ON CURB OF 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER ASPHALT SIDEWALK (N:426477.61, E:2577652.08) ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB OF E 5TH PL (N:426100.17, E:2577609.97) ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB OF E 5TH PL (N:426112.99, E:2577944.89) ELEVATION=727.62

APPROVED FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
"The Team You Trust"

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918.584.5858 · 800.364.5858
CA# 1460 EXP. DATE 6/30/2023

CONSULTANT:
STRUCTURAL ENGINEER
SNOWDEN ENGINEERING, INC.
8128 EAST 63rd STREET
TULSA, OKLAHOMA
918.252.4557

CONSULTANT:
MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

IDP DEMOLITION PLAN

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

GE02

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=20'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:30:32 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP02_GE02_IDP Demolition Plan.dwg

General Construction Notes:

1. COORDINATION OF PRIVATE FRANCHISED UTILITIES BY THIS FIRM IS LIMITED TO PROVIDING INFORMATION TO THE OPERATORS OF PRIVATE UTILITIES.
2. THESE DRAWINGS DEPICT THE INTENT OF PRIVATE UTILITY ROUTINGS AS UNDERSTOOD OR ASSUMED DURING DESIGN PHASES OF THE PROJECT.
3. FINAL COORDINATION MAY BE REQUIRED AFTER THE DOCUMENTS ARE ISSUED AND, IN CASES, AFTER PROPOSED UTILITIES AND PAVEMENTS ARE IN PLACE.
4. THE OWNER OF SAID UTILITIES RESERVE THE RIGHT TO DESIGN, CONSTRUCT AND OPERATE OR RECONSTRUCT PRIVATE UTILITIES IN ACCORDANCE WITH THE RIGHTS ESTABLISHED WITHIN THE EXISTING UTILITY EASEMENTS.
5. THE LOCATIONS, ALIGNMENTS, DEPTHS, TYPE, AMOUNT AND QUALITY OF PROPOSED ELECTRICAL, NATURAL GAS AND TELECOMMUNICATIONS ARE NOT REGULATED OR CONTROLLED BY THESE DOCUMENTS.
6. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO NEGOTIATE ALL CONTRACTS FOR SERVICE WITH EACH INDIVIDUAL UTILITY COMPANY AND TO PROVIDE THE ENGINEER WITH ANY DOCUMENTS THAT MAY AFFECT THE LAYOUT.
7. THE CONTRACTOR SHALL COORDINATE ALL UTILITY SERVICES WITH UTILITY SUPPLIER. SEE SHEET C300 FOR UTILITY COMPANY NAMES AND PERSONNEL CONTACTS.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH SUPPLIER OF SERVICES TO CONFIRM THE CONDUIT AND TRENCHING REQUIREMENTS FOR ELECTRICAL, NATURAL GAS AND TELECOMMUNICATIONS. THIS FIRM HAS INDICATED SERVICES FOR COORDINATION PURPOSES AND RESERVES THE RIGHT TO INCORPORATE SHOP DRAWINGS AND SUBMITTALS PROVIDED BY SUPPLIERS AT A SUBSEQUENT TIME. WALLACE DESIGN COLLECTIVE, PC DOES NOT OFFER AN OPINION AS TO THE TYPE OF SERVICE REQUIRED OR PREFERRED BY THE OWNER.

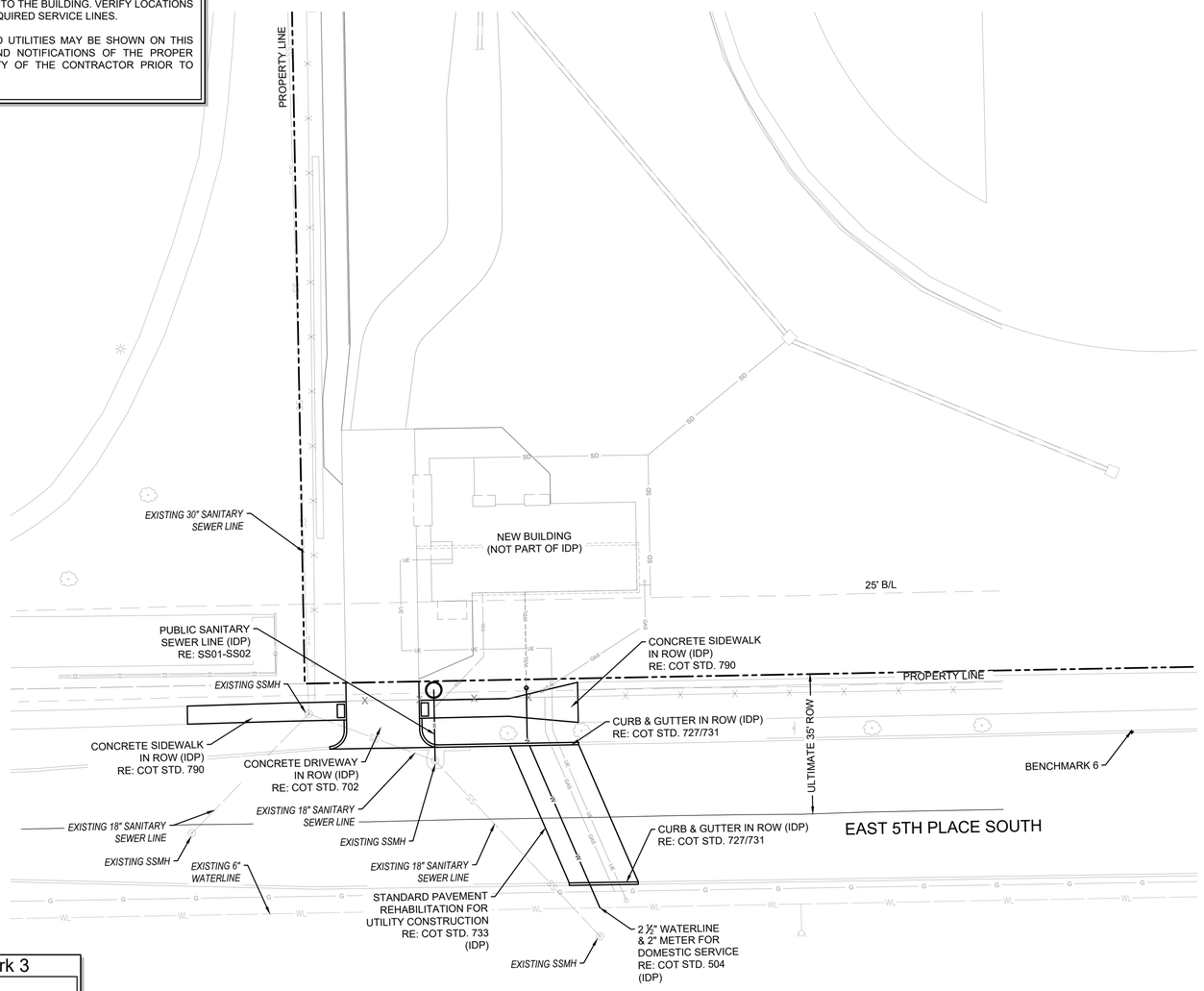
TYPICAL CONDUIT TYPES:

WATERLINE CONDUIT:	4" PVC SCH40
ELECTRICAL CONDUIT:	4" PVC SCH40 (GRAY)
TELEPHONE CONDUIT:	4" PVC SCH40 (WHITE)
CABLE TELEVISION CONDUIT:	4" SDR 35 PVC (WHITE)

9. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING.
10. THE CONTRACTOR SHALL MAINTAIN A TWO FOOT (2') SEPARATION BETWEEN THE GAS LINE CONDUIT AND ALL OTHER CONDUITS.
11. THE CONTRACTOR SHALL COORDINATE ALL BUILDING CONNECTIONS WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING PLANS.
12. THE CONTRACTOR SHALL INSTALL AND CONNECT WATER AND SEWER UTILITY SERVICES PER APPLICABLE CITY CODES AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL INSTALL IRRIGATION LINES AND CONDUITS PER THE IRRIGATION PLANS PREPARED BY THE LANDSCAPE ARCHITECT.
140 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS.
14. ALL TRENCHES SHALL BE BACKFILLED PER UTILITY COMPANY SPECIFICATIONS AND COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE INDICATED RE: GEOTECHNICAL REPORT.
15. CONSULT ARCHITECTURAL, PLUMBING & ELECTRIC PLANS FOR CONTINUATION OF UTILITY LINES INTO THE BUILDING. VERIFY LOCATIONS OF UTILITY ENTRY AND SIZE OF REQUIRED SERVICE LINES.
16. 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.

Site Plan Notes:

1. ALL DIMENSIONS SHOWN HEREON ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE SHOWN OTHERWISE ON PLANS.
2. THE CONTRACTOR SHALL MAINTAIN A TWO FOOT (2') SEPARATION BETWEEN THE GAS LINE CONDUIT AND ALL OTHER CONDUITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS.
4. BUILDINGS SHOWN HEREON ARE REPRESENTATIVE ONLY AND NOT FOR CONSTRUCTION.
5. CONTRACTOR TO COORDINATE ALL UTILITY SERVICES WITH UTILITY SUPPLIER.
6. COORDINATE ALL BUILDING CONNECTIONS AND LINE/METER SIZING WITH THE MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
7. UTILITY SERVICE CONNECTIONS SHALL BE INSTALLED AS PER APPLICABLE CITY CODES AND SPECIFICATIONS.
8. ELECTRICAL CONDUIT SHALL BE 4" PVC SCH40 (GRAY), TELEPHONE CONDUIT SHALL BE 4" PVC SCH40 (WHITE) AND CABLE TELEVISION CONDUIT SHALL BE 4" SDR 35 PVC (WHITE). ALL ARE TO BE INSTALLED WITH A PULL STRING.
9. HANDICAP PARKING SIGNS SHALL BE CENTERED ON THE HANDICAPPED PARKING STALLS. SIGNS SHALL HAVE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON THEM AND ONE SIGN SHALL HAVE THE STATEMENT "VAN ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. BOTTOM OF SIGNS SHALL BE A MINIMUM OF 60" AND A MAXIMUM OF 72" ABOVE THE SIDEWALK.
10. THE UTILITY LOCATIONS REPRESENTED ON THIS DRAWING WERE COMPILED FROM BOTH FIELD OBSERVATIONS AND INFORMATION FROM VARIOUS UTILITY COMPANIES. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES AND THE OKIE ONE-CALL SYSTEM IN ORDER TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
11. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON THE TOPOGRAPHIC DESIGN SURVEY BY WALLACE DESIGN COLLECTIVE, PC DATED 10/04/2022.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY WORK ORDERS AND PERMITS FROM THE CITY, INCLUDING PROVISION OF BONDS AND INSURANCE AS REQUIRED.
13. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
14. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING.
15. VERTICAL DATUM BASED ON GPS DATA (NAVD88)
16. HORIZONTAL DATUM BASED ON OKLAHOMA STATE PLANE COORDINATE SYSTEM (NAD83).
17. FOR SITE LIGHTING LOCATIONS AND CONDUIT REFERENCE ELECTRICAL PLANS.



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Scale: 1"= 20'

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STATION	COORDINATES	DESCRIPTION OF POINTS
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BEFORE YOU DIG 1-800-522-OKIE CALL OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1	Benchmark 2	Benchmark 3
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Legend

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B/L	BUILDING LINE
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CO	SEWER CLEAN-OUT
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SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
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XFMR	TRANSFORMER

APPROVED FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
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wallace design collective

wallace design collective, pc
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918.584.5858 · 800.364.5858
CA# 1460 EXP. DATE 6/30/2023

CONSULTANT:

STRUCTURAL ENGINEER
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TULSA, OKLAHOMA
918.252.4557

CONSULTANT:

MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

IDP SITE & UTILITY PLAN

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

GE03

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=20'

ORIG SIZE:22"X34"

PLOT:2/9/2023 3:31:03 PM

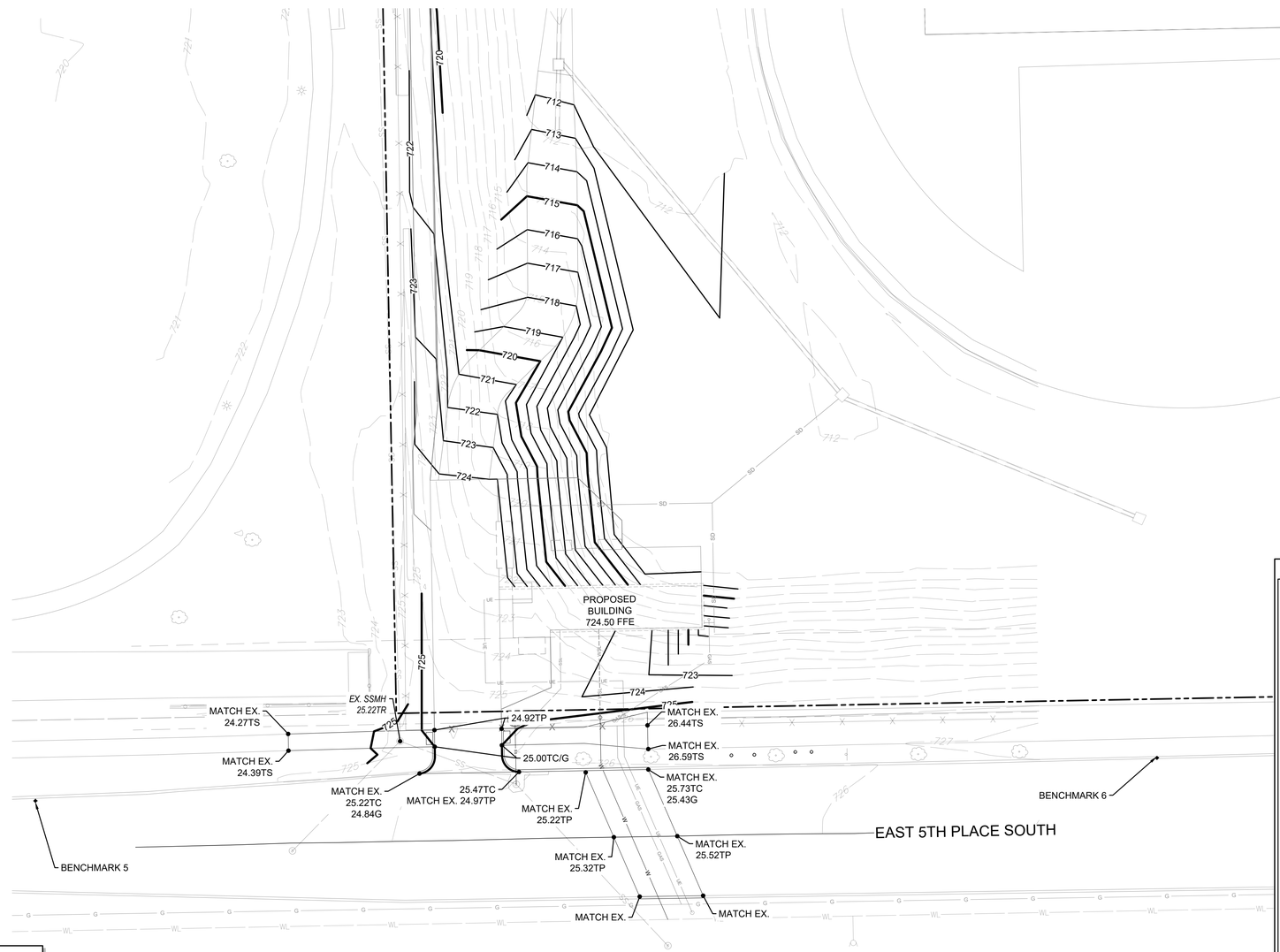
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP03_GE03_IDP Site Plan.dwg

Grading Notes

1. ALL GRADING SHALL MEET OR EXCEED THE CITY CONSTRUCTION STANDARDS AND MUNICIPAL POLICY.
2. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING.
3. TOPSOIL SHALL BE STRIPPED TO A DEPTH WHERE SOIL IS FREE OF ROOTS AND VEGETATION.
4. SUBGRADE STABILIZATION SHALL BE AT THE DIRECTION OF THE ENGINEER, OR AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
5. CIVIL ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
6. UNDERCUTTING OF SOFT SPOTS AND PLACEMENT OF EARTHWORK IS GOVERNED FIRST BY THE GEOTECHNICAL REPORT. OBSERVATION AND TESTING SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER TO VERIFY THAT THE SOFT SPOTS ARE PROPERLY OVEREXCAVATED AND REPLACED OR STABILIZED.
7. CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION PER GEOTECHNICAL REPORT AND SPECIFICATIONS.
8. STRIPPING, PROOFROLLING, SUBGRADE SCARIFICATION AND COMPACTION, AND FILL CONSTRUCTION IN THE BUILDING AND PAVING AREAS SHALL BE PERFORMED ACCORDING TO THE SUBSURFACE GEOTECHNICAL REPORT. EMBANKMENT BENEATH BUILDING PADS OR FOR PAVING SUBGRADE SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE SPECIFIED THEREIN.
9. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO IMPORT OR EXPORT MATERIAL AS NECESSARY TO ACHIEVE THE GRADES SHOWN ON THE CIVIL ENGINEER'S DOCUMENTS.
10. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL IN-PLACE FINAL TRIM AREAS TO CONDITION PRIOR TO PLACING TOPSOIL. TOPSOIL SHALL BE PLACED AND ACCEPTED PRIOR TO THE PLACEMENT OF SOD.
11. THE SIDEWALK CONTRACTOR IS RESPONSIBLE FOR ALL REMAINING FINAL TRIM.
12. FINAL GRADES OF ABOVE SURFACE UTILITIES NOT IN PAVED AREAS, INCLUDING BUT NOT LIMITED TO STORM SEWER MANHOLE LIDS, WATER METER LIDS AND SEWER CLEANOUTS, ARE TO BE ADJUSTED BY THE UTILITY CONTRACTOR TO CONFORM TO LANDSCAPING SOD INSTALLATION.
13. TRANSFORMER PADS AND PEDESTALS ARE TO BE LEVEL AND PLUMB.
14. CARE SHALL BE TAKEN TO ADJUST GAS METERS AND MANIFOLDS TO MATCH NEW GRADES.
15. GENERAL CONTRACTOR SHALL MONITOR INSTALLATION OF SERVICE PEDESTALS, SHALL ACCEPT THE CONDITION OF THE WORK BY OTHERS, AND SHALL BE RESPONSIBLE TO EMPLOY CONTRACTORS AS NECESSARY TO CORRECT POOR WORKMANSHIP.
16. PAVING CONTRACTOR IS RESPONSIBLE TO REVIEW ALL FIELD ESTABLISHED GRADES PRIOR TO PLACEMENT OF MATERIALS SO AS TO PROVIDE POSITIVE DRAINAGE IN ALL CASES.
17. CORRECTIVE MEASURES DIRECTED BY THE ENGINEER MAY INCLUDE COMPLETE REMOVAL AND REPLACEMENT AT NO COST TO OWNER IN CASES OF POOR WORKMANSHIP OR UNSATISFACTORY IN-PLACE CONDITIONS.
18. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL STAKING NECESSARY TO INSTALL CONDUITS SUFFICIENT FOR UTILITY AND IRRIGATION SERVICES WHETHER OR NOT SHOWN ON THE CIVIL ENGINEER'S PLANS.
19. CONTRACTOR SHALL BE OBLIGATED TO KEEP DUST AT A MINIMUM AS REQUIRED BY CITY ENGINEER.
20. CONTRACTOR AND ALL RELATED CONSTRUCTION ACTIVITIES WILL BE REQUIRED TO MAINTAIN NORMAL WORKING HOURS IF SIGNIFICANT PUBLIC REQUEST ARE MADE TO THE CITY TO THIS REGARD.
21. SITE GRADING IS EXPECTED TO BE PERFORMED IN A MANNER CONSISTENT WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) SUBMITTED FOR THIS PROJECT.

Grading Legend

BW	BASE OF WALL FINISH GRADE
CTRN	CURB TRANSITION
EP	EDGE OF PAVING
EX	EXISTING GROUND
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOWLINE
G	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TP	TOP OF PAVING
TR	TOP OF RIM
TS	TOP OF SIDEWALK OR STEP
TW	TOP OF WALL FINISH GRADE



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RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

IDP
GRADING PLAN

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

GE04

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=20'

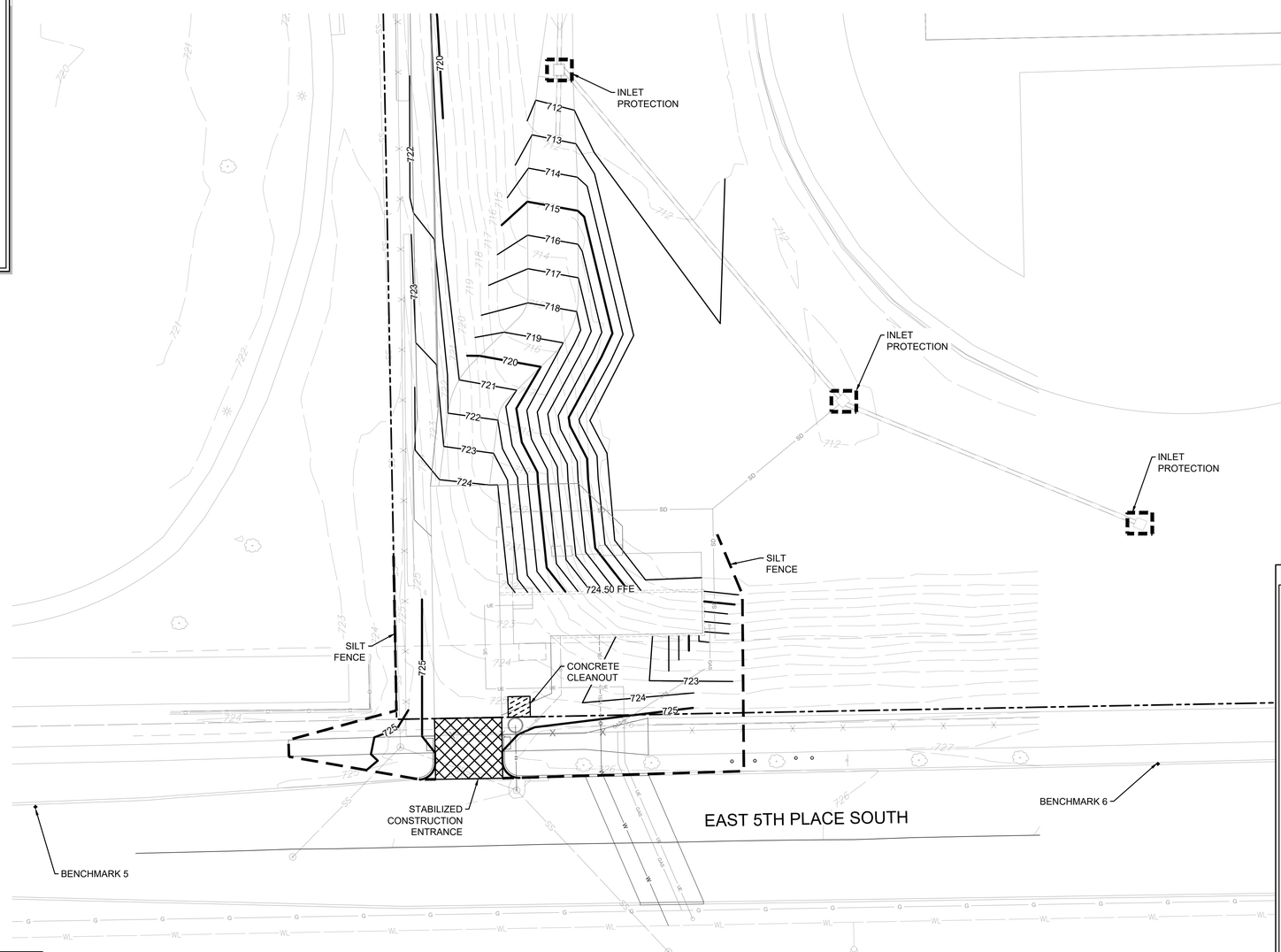
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP04_GE04_Grading Plan.dwg
PLOT:2/9/2023 3:31:32 PM
ORIG SIZE:22"X34"

Erosion Control Notes:

1. ALL GRADING AND EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY STANDARD CONSTRUCTION SPECIFICATIONS.
2. ALL EROSION CONTROL CONSTRUCTION SHALL BE INSPECTED BY THE ENGINEERING AND CONSTRUCTION DEPARTMENT STORMWATER INSPECTORS, IN ACCORDANCE WITH CITY POLICY.
3. EROSION CONTROL SHALL START WITH INITIAL CONSTRUCTION AND BE PRACTICED THROUGHOUT THE PROJECT.
4. SILT FENCES SHALL BE CONSTRUCTED ADJACENT TO ALL DRAINAGE-WAYS, AND IN ALL AREAS THAT WILL ERODE INTO THE STORM SEWER SYSTEM.
   a. SILT FENCE INSTALL DOWN SLOPE REQUIRES J HOOKS TO SLOW FLOW AND PREVENT UNDERCUTTING OF SILT FENCE.
5. WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR 14 DAYS, THE DISTURBED AREAS SHALL BE STABILIZED WITH SEED AND MULCH. THE SEED MIX SHALL MATCH THE MIX SPECIFIED ON THE LANDSCAPE PLANS.
6. THE CONTRACTOR SHALL RE-SEED ALL AREAS DISTURBED DURING CONSTRUCTION AND CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDED AREAS UNTIL GROWTH IS ESTABLISHED TO A UNIFORM HEIGHT OF TWO (2) INCHES.
7. THERE ARE NO OFFSITE MATERIAL, WASTE, BORROW, OR EQUIPMENT STORAGE AREAS.
8. THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE UPDATED AS NECESSARY TO REMAIN CONSISTENT WITH ANY CHANGES APPLICABLE TO PROTECT SURFACE WATER RESOURCES IN SEDIMENT EROSION SITE PLANS OR SITE PLANS OR SITE PERMITS, OR STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY STATE OR LOCAL OFFICIALS FOR WHICH THE PERMITEE RECEIVES WRITTEN NOTICE.
9. CONTRACTOR SHALL INSTALL SILT FENCE FOR PERIMETER EROSION CONTROL PRIOR TO BEGINNING GRADING.
10. INSTALL SEDIMENT BARRIERS (SILT FENCES) AROUND ALL STOCKPILE AREAS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.3)
11. INSTALL SEDIMENT CONTROL ALONG TOP OF BANKS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.5)
12. INITIATE STABILIZATION MEASURES ON PORTIONS OF THE SITE WHERE ACTIVITY HAS CEASED, ESPECIALLY ON THE PERIMETER BANKS IN ACCORDANCE WITH THE SP3 (5.1).

Erosion Control Legend

- CONCRETE CLEANOUT (RE:GE04/B)
- SILT FENCE (RE:COT STD. 126)
- INLET PROTECTION (RE:GE04/A)
- STABILIZED CONSTRUCTION ENTRANCE (RE:COT STD. 126)



NORTH

0 10' 20' 30'

Scale: 1"= 20'

ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL, AND HARVARD AVE.

Benchmark 1
CUT 'X' ON CURB
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(N:426922.82, E:257758.50)
ELEVATION=716.76

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(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER
ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB
OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
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E	ELECTRIC METER
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LF	LINEAR FEET
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REVISIONS

SHEET NAME

IDP EROSION CONTROL PLAN

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

GE05

SCALE 1"=20'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:31:57 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP05_GE05_Erosion Control Plan.dwg

Drainage Summary Chart

DRAINAGE AREA BASIN	INLET LABEL	DRAINAGE AREA (ACRES)	WEIGHTED C	OVERLAND REACH (FEET)	OVERLAND SLOPE (%)	OVERLAND VELOCITY (FPS)	PAVEMENT REACH (FEET)	PAVEMENT SLOPE (%)	PAVEMENT VELOCITY (FPS)	TOTAL T_C (MINUTES)	I_{100} (IN./HR.)	Q_{100} (CFS)	DESIGN 'Q' (SUM AT INLET)	% SLOPE AT INLET	CLOGGING FACTOR (%)	T_{100} @ INLET (FT)	INLET INTERCEPT (CFS)	INLET CAPACITY (CFS)	INLET BYPASS (CFS)	BYPASS TO DRAINAGE AREA	INLET DESIGN
1	c	1.88	0.34	219.50	3.08	1.41	-	-	-	2.59	12.10	7.78	-	-	-	-	-	-	-	-	DRAINS WEST OFF PROPERTY TO AREA INLET
2	f	0.60	0.69	165	2.79	2.58	-	-	-	1.07	13.01	5.38	-	-	-	-	-	-	-	-	DRAINS TO AREA INLET
3	g	0.37	0.31	157.50	2.53	1.12	-	-	-	2.34	12.24	1.39	-	-	-	-	-	-	-	-	DRAINS TO AREA INLET
4	k	1.29	0.38	240.50	5.18	1.82	-	-	-	2.21	12.32	5.97	-	-	-	-	-	-	-	-	DRAINS TO AREA INLET
5	n	0.28	0.43	105.50	2.81	1.68	-	-	-	1.05	13.03	1.57	-	-	-	-	-	-	-	-	DRAINS TO STORM INLET STRUCTURE
6	m	0.31	0.36	143	1	0.82	-	-	-	2.90	11.94	1.33	-	-	-	-	-	-	-	-	DRAINS TO AREA INLET
7	-	0.14	0.75	229	1.15	1.75	-	-	-	2.18	12.34	1.29	-	-	-	-	-	-	-	-	DRAINS WEST ALONG E 5TH PL

Legend

	EXISTING	PROPOSED
INLET	a	a
JUNCTION	1	1
OUTLET	A	A
DRAINAGE AREA LABEL		1
DRAINAGE AREA BOUNDARY		
DRAINAGE AREA PATH		

Structure Summary Table

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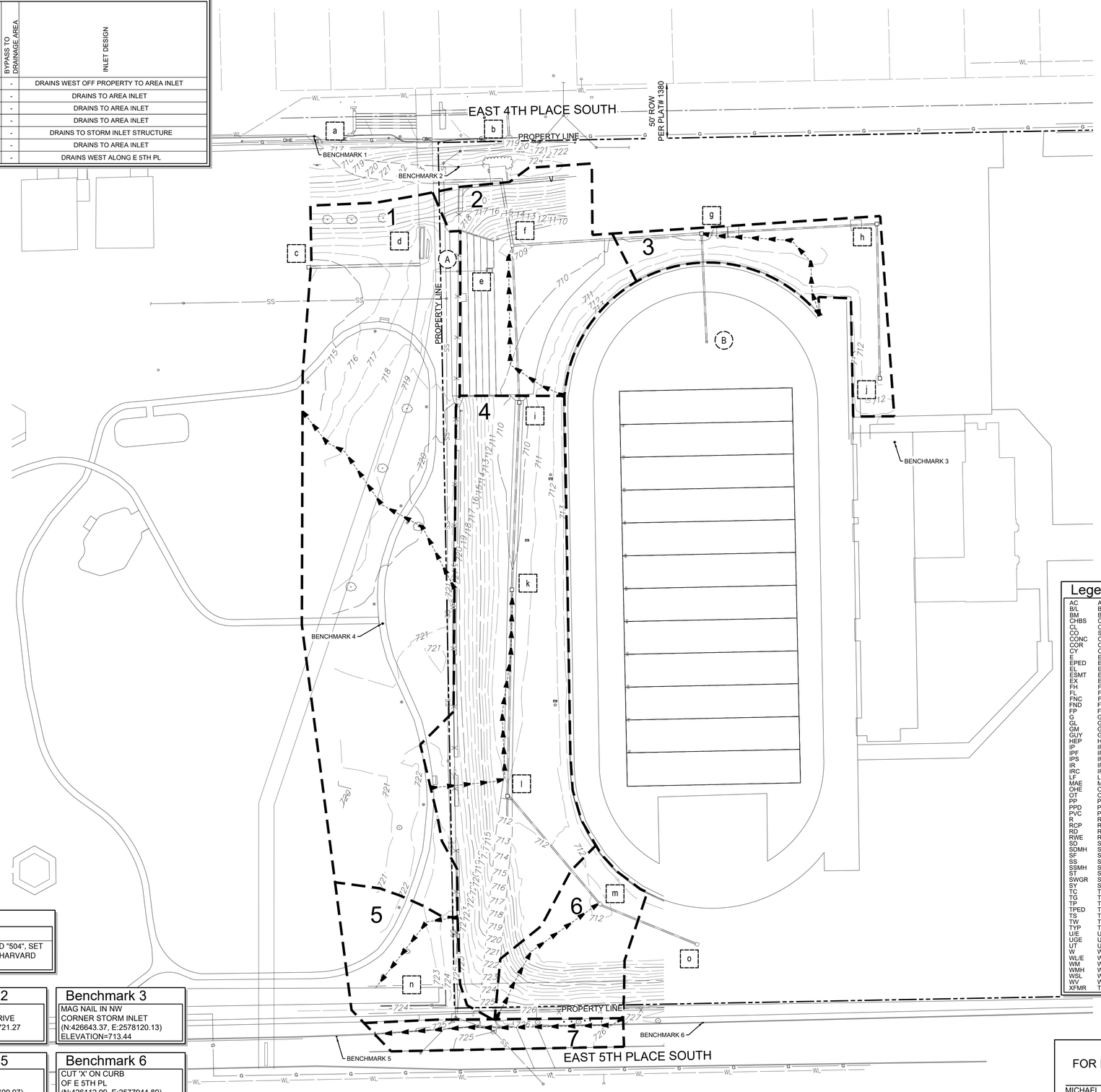
k	EXISTING AREA INLET
l	EXISTING AREA INLET
m	EXISTING AREA INLET
n	EXISTING STORM INLET STRUCTURE
o	EXISTING AREA INLET
A	EXISTING SDMH
B	EXISTING SDMH



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REVISIONS

SHEET NAME

EXISTING DRAINAGE AREA MAP

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

SW01

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=50'

ORIG SIZE:22"X34"

PLOT:2/9/2023 3:32:20 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP06_SW01_Existing DAM.dwg

Drainage Summary Chart

DRAINAGE AREA BASIN	INLET LABEL	DRAINAGE AREA (ACRES)	(WEIGHTED) OVERLAND REACH (FEET)	OVERLAND SLOPE (%)	OVERLAND VELOCITY (FPS)	PAVEMENT REACH (FEET)	PAVEMENT SLOPE (%)	PAVEMENT VELOCITY (FPS)	TOTAL T_C (MINUTES)	I_{100} (IN./HR.)	Q_{100} (CFS)	DESIGN 'Q' (SUM AT INLET)	% SLOPE AT INLET	CLOGGING FACTOR (DEPTH @ INLET (ft))	INLET INTERCEPT (CFS)	INLET CAPACITY (CFS)	INLET BYPASS (CFS)	BYPASS TO DRAINAGE AREA	INLET DESIGN
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5	n	0.27	0.44	105.50	2.81	1.70	-	-	-	1.04	13.04	1.53	-	-	-	-	-	-	DRAINS TO STORM INLET STRUCTURE
6	m	0.31	0.39	183.47	2.52	0.90	-	-	-	3.41	11.67	1.41	-	-	-	-	-	-	DRAINS TO AREA INLET
7	-	0.14	0.77	158	1.15	1.80	-	-	-	2.12	12.37	1.29	-	-	-	-	-	-	DRAINS WEST ALONG E 5TH PL
R1	m	0.04	0.95	44	0.50	1.50	-	-	-	0.49	13.40	0.49	-	-	-	-	-	-	DRAINS TO AREA INLET

Legend

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INLET	a	a
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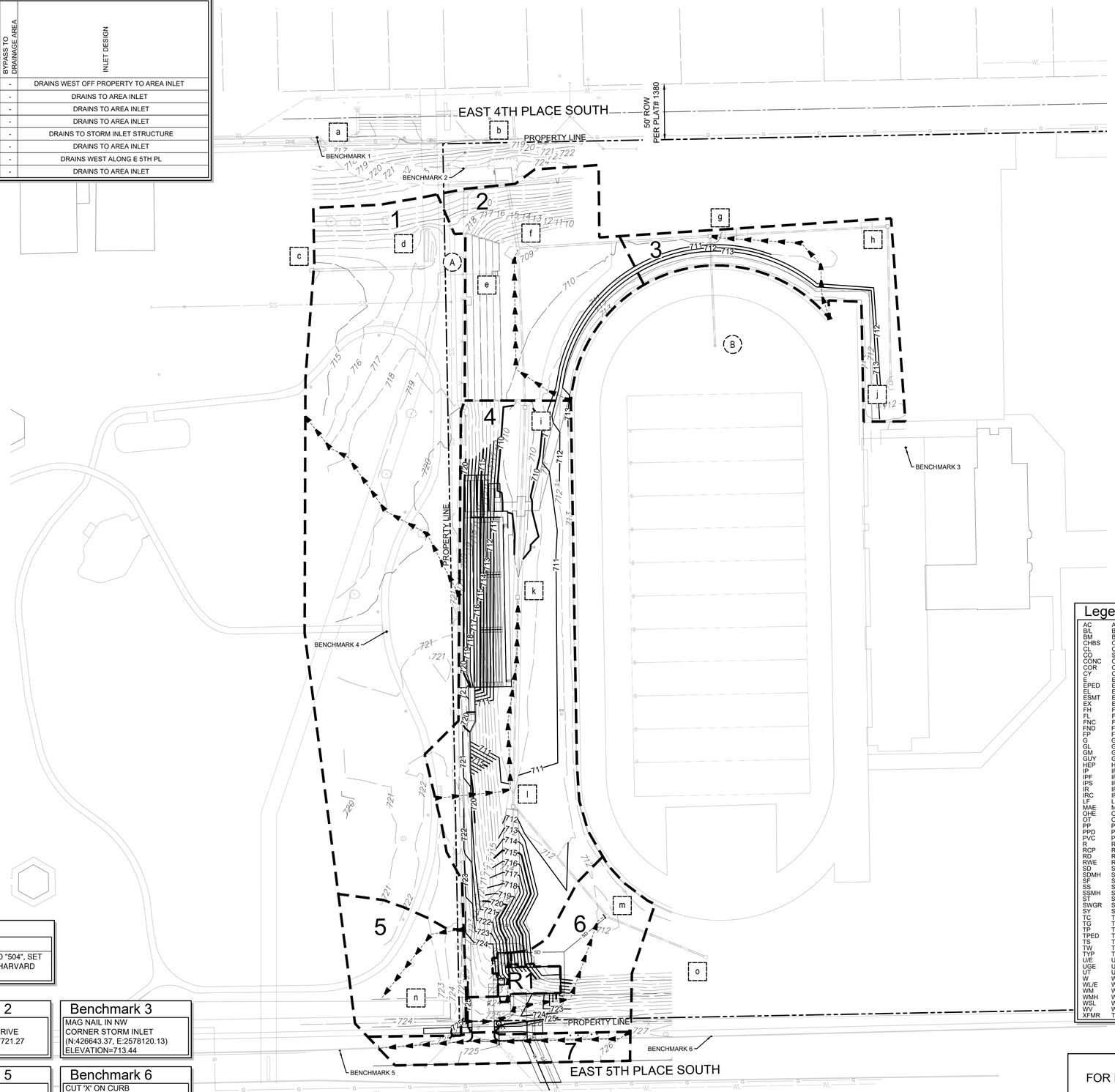

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ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL, AND HARVARD AVE.

Benchmark 1
CUT 'X' ON CURB
OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP
STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW
CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER
ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB
OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

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CALL OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

APPROVED
FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
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CA# 1460 EXP. DATE 6/30/2023

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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

PROPOSED DRAINAGE AREA MAP

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

SW02

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=50'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:32:46 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP07_SW02_Proposed DAM.dwg

Paving Notes

1. THE PAVING CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING AND CONSTRUCTION DEPARTMENT AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
2. ALL UTILITY CONSTRUCTION (WATER, SEWER, AND STORM WATER) SHALL BE COMPLETED PRIOR TO SUBGRADE PREPARATION.
3. SUBGRADE SHALL BE FREE OF ALL ORGANIC MATTER, TREATED, AND COMPACTED ACCORDING TO THE PLANS AND SPECIFICATIONS.
4. SUBGRADE STABILIZATION SHALL BE AT THE DIRECTION OF THE ENGINEER, OR AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
5. PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UNACCEPTABLE SUBGRADE AT ALL UTILITY, CABLE OR CONDUIT CROSSINGS.
6. PAVING CONTRACTOR SHALL INSPECT SUBGRADE PRIOR TO COMMENCING WORK; AND, SHALL REPAIR AREAS WHERE GRADE VARIES MORE THAN 0.1 FEET, WHERE DENSITY IS LESS THAN 95% STANDARD PROCTOR OR WHERE SUBGRADE DRAINAGE IS INADEQUATE, AT THE UNIT PRICE BID FOR FINE GRADING IN THE PROPOSAL. SUBGRADE MODIFICATIONS, WHERE REQUIRED, SHALL NOT COMMENCE UNTIL SUBGRADE REPAIRS HAVE BEEN ACCEPTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
7. SEQUENCE OF CONSTRUCTION FOR STABILIZED SUBGRADES SHALL BE BLUE TOP AND FINE GRADE, LIME OR FLY ASH TREAT AND STABILIZE, AND THEN FINAL FINE GRADING.
8. COMPACTION TESTS SHALL BE TAKEN A MINIMUM OF ONCE EVERY 4,500 SQUARE FEET FOR EACH EIGHT (8) INCH LIFT OF MATERIAL.
9. SUBGRADES SHALL BE PROOFROLLED IF THE STABILITY OF THE MATERIAL IS QUESTIONED. ALSO, THE SUBGRADE EXPOSED AFTER STRIPPING AND COMPLETING ANY CUTS SHALL BE PROOFROLLED ACCORDING TO THE GEOTECHNICAL REPORT.
10. PORTLAND CEMENT CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,500 PSI, A SLUMP OF NOT MORE THAN 3", AND SHALL CONTAIN SIX PERCENT (6%) AIR + OR - 1%.
11. ASPHALTIC CONCRETE SHALL HAVE DENSITY OF NOT LESS THAN 94% AND NOT MORE THAN 96%, AND HAVE STABILITY OF NOT LESS THAN 40%.
12. THE CONTRACTOR SHALL FURNISH THE FOLLOWING TESTING SERVICES BY A REPUTABLE INDEPENDENT TESTING LABORATORY APPROVED BY THE OWNER'S REPRESENTATIVE:
    - 12.1 FIELD DENSITY TESTS OF EMBANKMENT, SUBGRADE, OR BASE, AT LOCATIONS SPECIFIED BY THE INSPECTOR.
    - 12.2 PLASTICITY TESTS OF THE SUBGRADE AT LOCATIONS SPECIFIED BY THE ENGINEER.
    - 12.3 MOISTURE DENSITY CURVES FOR MATERIAL TO BE USED FOR EMBANKMENT OR SUBGRADE CONSTRUCTION.
    - 12.4 MIX DESIGNS FOR PORTLAND CEMENT CONCRETE AND ASPHALTIC CONCRETE.
    - 12.5 AGGREGATE GRADATION TESTS.
    - 12.6 STABILITY, DENSITY, BITUMEN CONTENT AND GRADATION TESTS OF ASPHALTIC CONCRETE EVERY 200 TONS OR DAILY WHICHEVER IS LESS.
    - 12.7 COMPRESSION TEST OF CONCRETE CYLINDERS AT SEVEN (7) AND TWENTY-EIGHT (28) DAYS WITH ONE (1) OF EACH TESTS CONDUCTED FOR EVERY 100 CUBIC YARDS PLACED.
    - 12.8 ONE CORE SAMPLE, AT A LOCATION SPECIFIED BY THE INSPECTOR FOR EVERY 8,000 SQUARE FEET OF PAVEMENT.
13. THE CONTRACTOR SHALL FURNISH CERTIFICATION FROM THE MANUFACTURER THAT ALL MATERIALS MEET APPLICABLE SPECIFICATIONS. COPIES OF MATERIAL CERTIFICATION SHALL BE FURNISHED TO THE DEVELOPER PRIOR TO INSTALLATION OR INCORPORATION OF MATERIAL IN THE WORK.
14. THE PAVING CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO GRADE AFTER PAVING HAS BEEN COMPLETED.
15. PAVEMENT STRIPING SHALL BE CONTRACTOR GRADE ACRYLIC STRIPING PAINT APPLIED WITH A COMMERCIAL COMPRESSED AIR OR AIRLESS SPRAY STRIPING MACHINE CAPABLE OF APPLYING AN EVEN COATING AT THE MANUFACTURER'S RECOMMENDED THICKNESS IN AN EVEN WIDTH ACROSS THE STRIPE. MARKING PAINT SHALL BE APPLIED STRAIGHT AND EVEN AT A RATE OF ONE(1) GALLON PER THREE TO FOUR HUNDRED (300-400) LINEAL FEET OF FOUR(4) INCH WIDE STRIPES (OR TO MFG. SPECIFICATION). APPLY MARKING PAINT IN DRY WEATHER WHEN PAVEMENT AND ATMOSPHERIC TEMPERATURES ARE FIFTY(50) DEGREES F. OR ABOVE (OR MFG. SPECIFICATION) AND ARE ANTICIPATED TO REMAIN ABOVE FIFTY(50) DEGREES F. FOR FOUR(4) HOURS AFTER COMPLETING APPLICATION.

Hatch Legend

- CONCRETE RESIDENTIAL DRIVEWAY (RE: COT STD. 702, 727, & 729)
- CONCRETE SIDEWALK IN ROW (RE: COT STD. 790)
- STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION (RE: COT STD. 733)

City of Tulsa Traffic Notes

1. TRAFFIC ACCESS ON ALL STREETS SHALL BE MAINTAINED AT ALL TIME. CONTRACTOR MUST MAINTAIN PROPER CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. ALL TRAFFIC SIGNS AND POSTS SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATIONS 608 TRAFFIC SIGNS, 608A STREET NAME SIGNS, AND 608B TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATIONS 625 REMOVAL OF TRAFFIC ITEMS.

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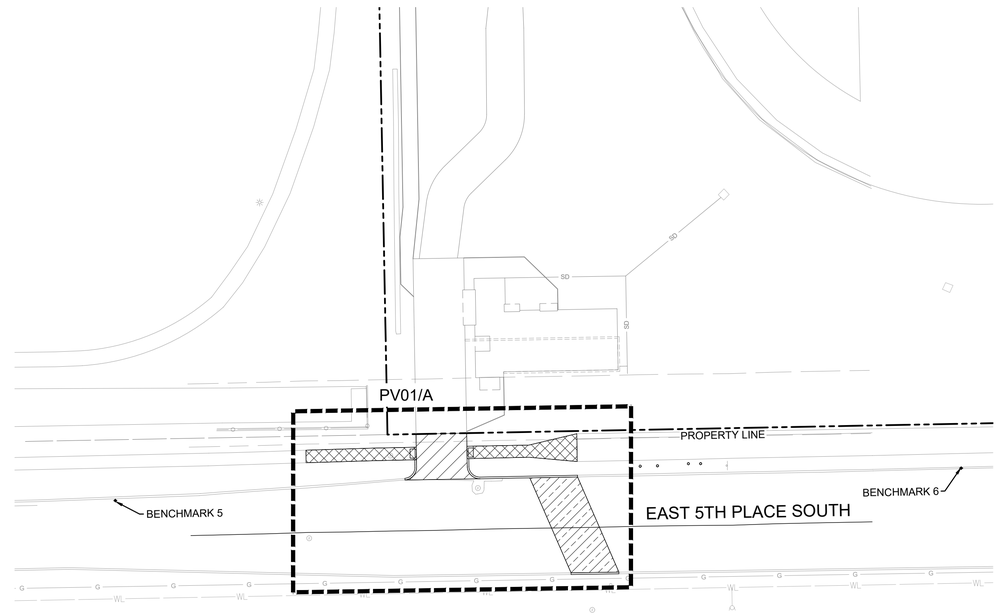

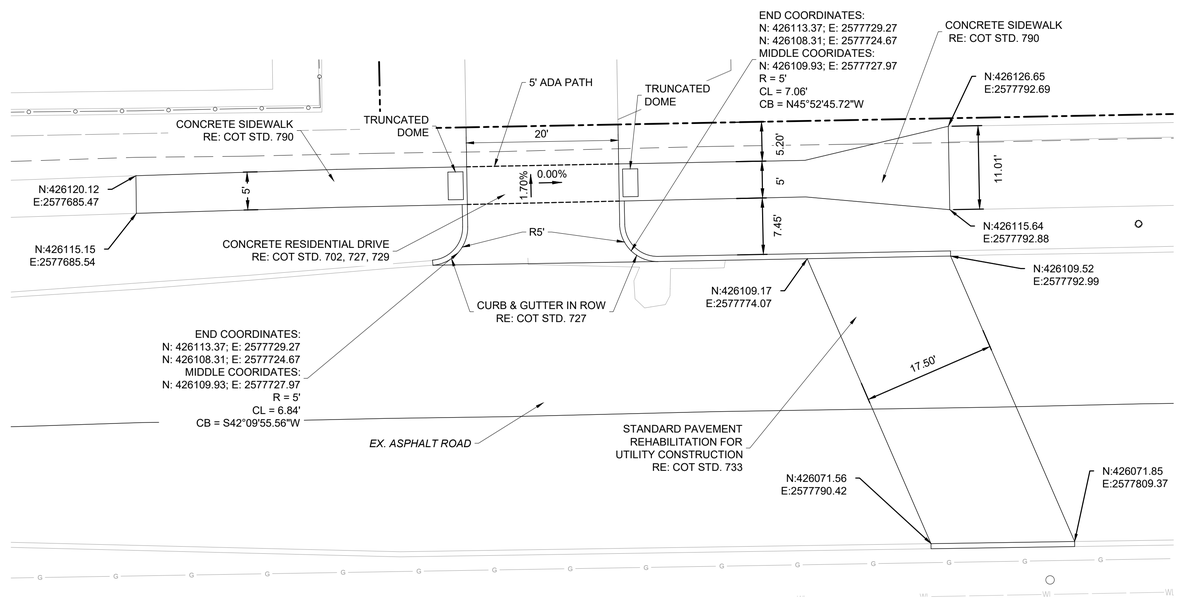

A Control Data COT Residential Drive, Concrete Sidewalk, & Pavement Rehabilitation

Scale: 1"=10'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHSELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

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REVISIONS

SHEET NAME

IDP
PAVING PLAN

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

PV01

SCALE 1"=30'

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP08_PV01_IDP Paving Plan.dwg
PLOT:2/9/2023 3:33:14 PM
ORIG SIZE:22"X34"

Legend

DRAINAGE AREA BOUNDARY

Ordinance Flow

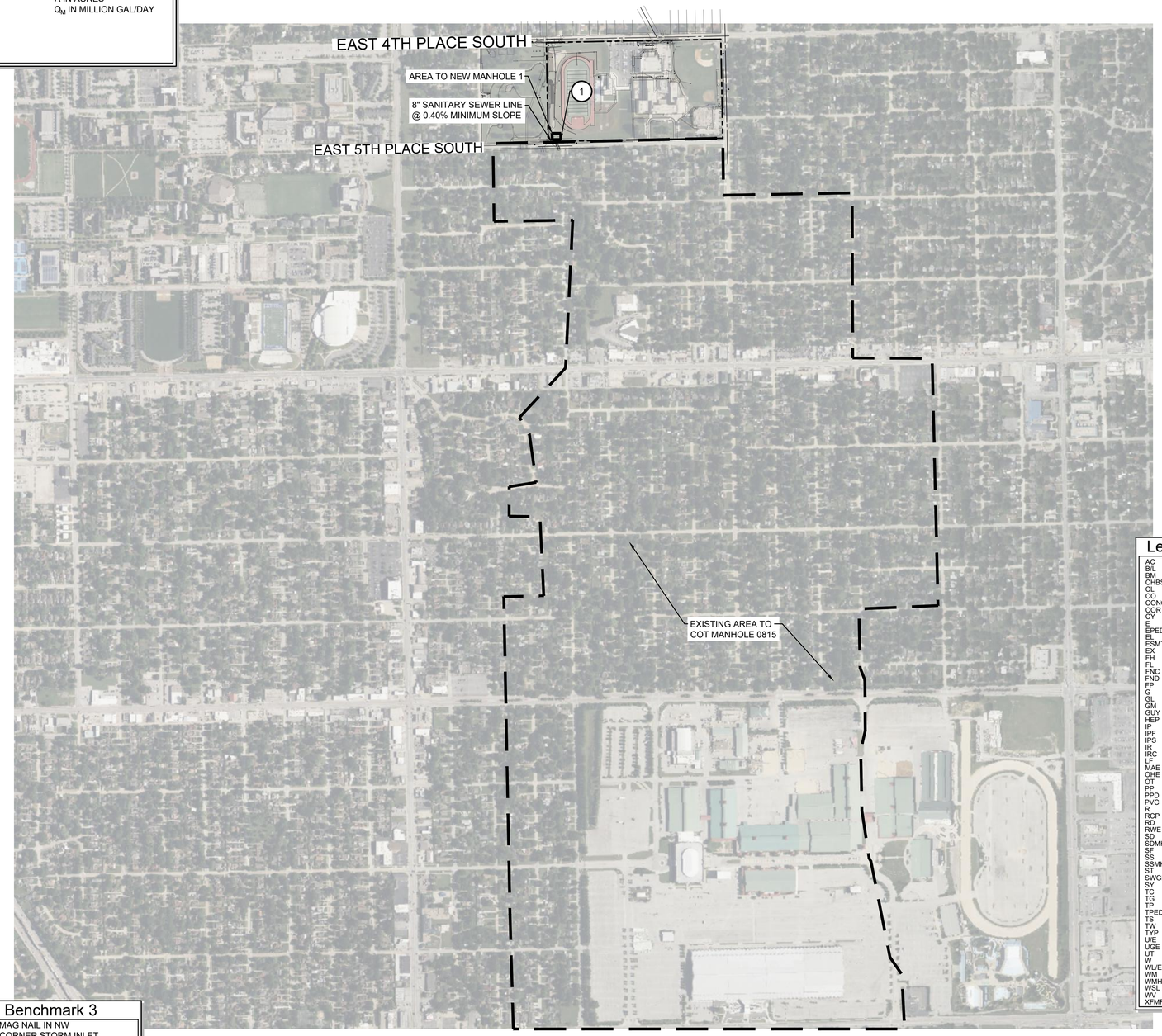
	MANHOLE	PIPE DIAMETER d (IN)	SLOPE (FT/FT)	REQUIRED CAP.** (MILLION G/D)	MAX CAPACITY* (THOUSAND G/D)	MAXIMUM SERVICE AREA** (AC)	ACTUAL SERVICE AREA (AC)
EXISTING	COT 0815	18	0.0012	2.20	2350	499.8	461.2
NEW	1	8	0.004	0.002	500	75.17	0.08

ORDIANCE 600.H *EQ: CAPACITY $Q_M = 23{,}000 d^{2.667} \sqrt{s}$

Q_M IN THOUSAND GAL/DAY
d IN FEET
s IN FEET/THOUSAND FEET

ORDIANCE 600.G **EQ: $A = (Q_M/0.01467)^{1/0.8169}$
**EQ: $Q_M = A^{0.8169} \times 0.01467$

A IN ACRES
Q_M IN MILLION GAL/DAY



NORTH

0 250' 500' 750'
Scale: 1"= 500'

Legend

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B/L	BUILDING LINE
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SHEET NAME

SANITARY SEWER DRAINAGE MAP

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ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

SS01

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1" = 500'

ORIG SIZE:22"X34"

PLOT 2/9/2023 3:34:04 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP09_SS01_Overall Sanitary Drainage Map.dwg

Sanitary Notes:

1. ALL SANITARY SEWER COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS. ALL SANITARY SEWER COLLECTION SYSTEM CONSTRUCTION SHALL BE INSPECTED BY THE ENGINEERING SERVICES DEPARTMENT UTILITY INSPECTORS, IN ACCORDANCE WITH CITY POLICY.
2. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING, AND SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PUBLIC OR PRIVATE UTILITY COMPANIES IN THE VICINITY OF CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY THE INVERT AND FLOWLINE ELEVATIONS OF THE EXISTING SANITARY SEWER PRIOR TO LAYING ANY NEW PIPE.
4. PVC SEWER PIPE SHALL BE ASTM D1784 SDR-26.
5. DUCTILE IRON PIPE SHALL BE USED AT ANY POINT WHERE THE CENTERLINE CUT IS SIXTEEN (16) FEET OR MORE, WHERE CONCRETE ENCASEMENT IS SPECIFIED, OR WHERE A WATER MAIN IS WITHIN TWO (2) FEET OF THE SEWER.
6. DUCTILE IRON PIPE (DIP) IN CRUSHED STONE BEDDING SHALL BE USED AT ANY POINT WHERE THE CENTERLINE CUT TO ORIGINAL GROUND IS LESS THAN FOUR (4) FEET OR GREATER THAN SIXTEEN (16) FEET.
7. TEES FOR FUTURE SERVICE CONNECTIONS SHALL BE INSTALLED AND PLUGGED DURING MAIN CONSTRUCTION. SERVICE CONNECTIONS TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.
8. IN-LINE SERVICE TEES SHALL BE OF THE SAME MATERIAL AS PIPE INSTALLED.
9. SPECIAL RISERS SHALL BE INSTALLED FOR EACH LOT WHERE THE MAIN SEWER DEPTH WILL BE TWELVE (12) FEET OR GREATER BELOW FINISHED GRADE.
10. TAPS ON EXISTING LINES, THAT DID NOT HAVE TEES INSTALLED DURING CONSTRUCTION, SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DRAWINGS.
11. MANHOLES LESS THAN 4'-6" IN HEIGHT SHALL HAVE A FULL 5'-0" INSIDE DIAMETER FROM TOP TO BOTTOM.
12. ALL PRECAST MANHOLES SHALL HAVE ADJUSTABLE TOP RIMS PROVIDING SIX (6) INCHES, PLUS OR MINUS, FOR ADJUSTMENT TO FINAL GRADES. ELEVATIONS SHOWN ON PLANS MAY BE ADJUSTED WHILE THE WORK IS IN PROGRESS TO CONFORM TO FINAL IN-PLACE PAVING AND LANDSCAPE GRADES.
13. THE UTILITY CONTRACTOR ASSUMES THE RISK OF ORDERING PRECAST CONCRETE COMPONENTS PRIOR TO FIELD STAKING AND REVIEW OF FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
14. THE UTILITY CONTRACTOR SHALL BE REQUIRED TO VACUUM TEST ALL MANHOLES ACCORDING TO CURRENT CITY ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS.
15. BEDDING, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH CITY STANDARD DRAWINGS. STREET BACKFILL AND COMPACTION REQUIREMENTS SHALL EXTEND TWO (2) FEET BACK OF CURB. WHEN REPLACING A SEWER IN SERVICE 3/8 INCH CHIPS SHALL BE USED FOR BEDDING AND INITIAL BACKFILL.
16. WHEN WORKING IN OR ADJACENT TO EXISTING SUBDIVISIONS ONLY ONE (1) DAYS WORTH OF TRENCH MAY BE OPEN AT A GIVEN TIME. THIS REQUIREMENT MAY BE MODIFIED, IN WRITING BY THE ENGINEERING SERVICES DIRECTOR, FOR A SPECIFIC PROJECT.
17. ROAD CLOSURES MUST BE COORDINATED A MINIMUM OF TWENTY FOUR (24) HOURS IN ADVANCE. ROADS WILL NOT BE CLOSED FOR OVER EIGHT (8) HOURS WITHOUT WRITTEN PERMISSION FROM THE ENGINEERING SERVICES DIRECTOR.
18. CONTRACTOR SHALL SUBMIT PROFESSIONAL ENGINEER'S TRENCH EXCAVATION PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20 FEET.
19. THE OWNER SHALL FURNISH AS-BUILT FIELD NOTES AND QUANTITIES TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
20. THE DEVELOPER SHALL MAKE ANY NEEDED MODIFICATIONS AT EXISTING MANHOLE CONNECTIONS IN ORDER TO COMPLY WITH CITY OF TULSA STANDARDS OR MAINTENANCE REQUIREMENTS. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH INTERNAL INSPECTION, REHAB PLAN PREPARATION AND CONSTRUCTION.
21. IF ANY ACTIVE EXISTING SERVICE LINES ARE CUT OFF BY REMOVAL OF EXISTING SANITARY SEWER LINE AND LAMPHOLE, THEN THEY MUST BE RECONNECTED TO THE MAIN SERVICE AT THE DEVELOPER'S EXPENSE.
22. LOCATIONS WHERE BACKFLOW PREVENTION MUST BE INSTALLED (IF BUILDING SITE IS BELOW THE UPSTREAM/DOWNSTREAM MANHOLE RIM+ 1') TO BE PROVIDED IN A BACKFLOW PREVENTER TABLE.
23. SEWERS AND MANHOLES TO BE ABANDONED SHALL BE SECURELY BLOCKED AT ANY POINTS OF INTAKE OR DISCHARGE WITH A BULKHEAD OR PREFORMED PLUG AND SHALL BE COMPLETELY FILLED WITH CLEAN SAND, CELLULAR CONCRETE OR FLOWABLE FILL.
24. ALL MANHOLE COVERS TO BE 30"

Sanitary Sewer Quantities

ITEM#	QUANTITY	DESCRIPTION
301A	20 LF	RIGHT-OF-WAY CLEARING AND RESTORING
302A	56 CY	EXCAVATION & BACKFILL, UNCLASSIFIED
313A	20 LF	8" PVC SDR-26
314A	1 EA	NEW 4' I.D. MANHOLE
314A	1 EA	EXISTING 4' I.D. MANHOLE ADJUSTED TO DROP MANHOLE
315A	1 EA	8"x4"x8" SERVICE TEE

Legend

LINE LABEL — PIPE LENGTH

A	8" PVC	00.0LF

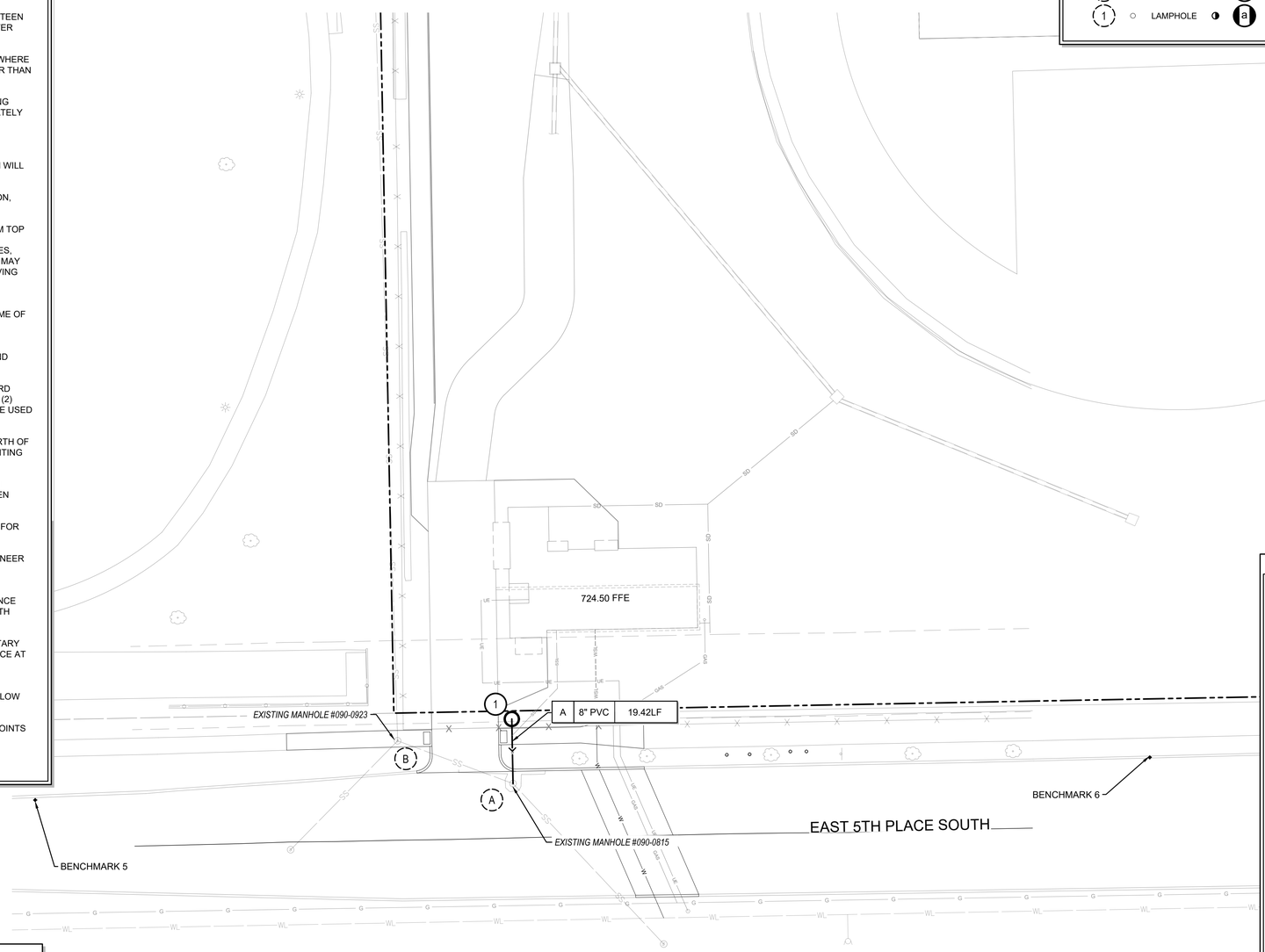
PIPE SIZE/TYPE

EXISTING		PROPOSED
A	MANHOLE	1
1	LAMPHOLE	a

NORTH

0 10' 20' 30'

Scale: 1"= 20'



Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL, AND HARVARD AVE.

BEFORE YOU DIG 1-800-522-OKIE CALL OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1
CUT 'X' ON CURB
OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP
STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW
CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER
ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB
OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

APPROVED
FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
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918.584.5858 · 800.364.5858
CA# 1460 EXP. DATE 6/30/2023

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TULSA, OKLAHOMA
918.252.4557

CONSULTANT:
MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

SANITARY SEWER PLAN

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

SS02

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=20'

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP09_SS01.SS02_SS Plan & Profile.dwg
PLOT:2/9/2023 3:34:39 PM
ORIG SIZE:22"X34"

Sanitary Notes:

1. ALL SANITARY SEWER COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS. ALL SANITARY SEWER COLLECTION SYSTEM CONSTRUCTION SHALL BE INSPECTED BY THE ENGINEERING SERVICES DEPARTMENT UTILITY INSPECTORS, IN ACCORDANCE WITH CITY POLICY.
2. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING, AND SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PUBLIC OR PRIVATE UTILITY COMPANIES IN THE VICINITY OF CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY THE INVERT AND FLOWLINE ELEVATIONS OF THE EXISTING SANITARY SEWER PRIOR TO LAYING ANY NEW PIPE.
4. PVC SEWER PIPE SHALL BE ASTM D1784 SDR-26.
5. DUCTILE IRON PIPE SHALL BE USED AT ANY POINT WHERE THE CENTERLINE CUT IS SIXTEEN (16) FEET OR MORE, WHERE CONCRETE ENCASEMENT IS SPECIFIED, OR WHERE A WATER MAIN IS WITHIN TWO (2) FEET OF THE SEWER.
6. DUCTILE IRON PIPE (DIP) IN CRUSHED STONE BEDDING SHALL BE USED AT ANY POINT WHERE THE CENTERLINE CUT TO ORIGINAL GROUND IS LESS THAN FOUR (4) FEET OR GREATER THAN SIXTEEN (16) FEET.
7. TEES FOR FUTURE SERVICE CONNECTIONS SHALL BE INSTALLED AND PLUGGED DURING MAIN CONSTRUCTION. SERVICE CONNECTIONS TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.
8. IN-LINE SERVICE TEES SHALL BE OF THE SAME MATERIAL AS PIPE INSTALLED.
9. SPECIAL RISERS SHALL BE INSTALLED FOR EACH LOT WHERE THE MAIN SEWER DEPTH WILL BE TWELVE (12) FEET OR GREATER BELOW FINISHED GRADE.
10. TAPS ON EXISTING LINES, THAT DID NOT HAVE TEES INSTALLED DURING CONSTRUCTION, SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DRAWINGS.
11. MANHOLES LESS THAN 4'-6" IN HEIGHT SHALL HAVE A FULL 5'-0" INSIDE DIAMETER FROM TOP TO BOTTOM.
12. ALL PRECAST MANHOLES SHALL HAVE ADJUSTABLE TOP RIMS PROVIDING SIX (6) INCHES, PLUS OR MINUS, FOR ADJUSTMENT TO FINAL GRADES. ELEVATIONS SHOWN ON PLANS MAY BE ADJUSTED WHILE THE WORK IS IN PROGRESS TO CONFORM TO FINAL IN-PLACE PAVING AND LANDSCAPE GRADES.
13. THE UTILITY CONTRACTOR ASSUMES THE RISK OF ORDERING PRECAST CONCRETE COMPONENTS PRIOR TO FIELD STAKING AND REVIEW OF FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
14. THE UTILITY CONTRACTOR SHALL BE REQUIRED TO VACUUM TEST ALL MANHOLES ACCORDING TO CURRENT CITY ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS.
15. BEDDING, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH CITY STANDARD DRAWINGS. STREET BACKFILL AND COMPACTION REQUIREMENTS SHALL EXTEND TWO (2) FEET BACK OF CURB. WHEN REPLACING A SEWER IN SERVICE 3/8 INCH CHIPS SHALL BE USED FOR BEDDING AND INITIAL BACKFILL.
16. WHEN WORKING IN OR ADJACENT TO EXISTING SUBDIVISIONS ONLY ONE (1) DAYS WORTH OF TRENCH MAY BE OPEN AT A GIVEN TIME. THIS REQUIREMENT MAY BE MODIFIED, IN WRITING BY THE ENGINEERING SERVICES DIRECTOR, FOR A SPECIFIC PROJECT.
17. ROAD CLOSURES MUST BE COORDINATED A MINIMUM OF TWENTY FOUR (24) HOURS IN ADVANCE. ROADS WILL NOT BE CLOSED FOR OVER EIGHT (8) HOURS WITHOUT WRITTEN PERMISSION FROM THE ENGINEERING SERVICES DIRECTOR.
18. CONTRACTOR SHALL SUBMIT PROFESSIONAL ENGINEER'S TRENCH EXCAVATION PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20 FEET.
19. THE OWNER SHALL FURNISH AS-BUILT FIELD NOTES AND QUANTITIES TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
20. THE DEVELOPER SHALL MAKE ANY NEEDED MODIFICATIONS AT EXISTING MANHOLE CONNECTIONS IN ORDER TO COMPLY WITH CITY OF TULSA STANDARDS OR MAINTENANCE REQUIREMENTS. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH INTERNAL INSPECTION, REHAB PLAN PREPARATION AND CONSTRUCTION.
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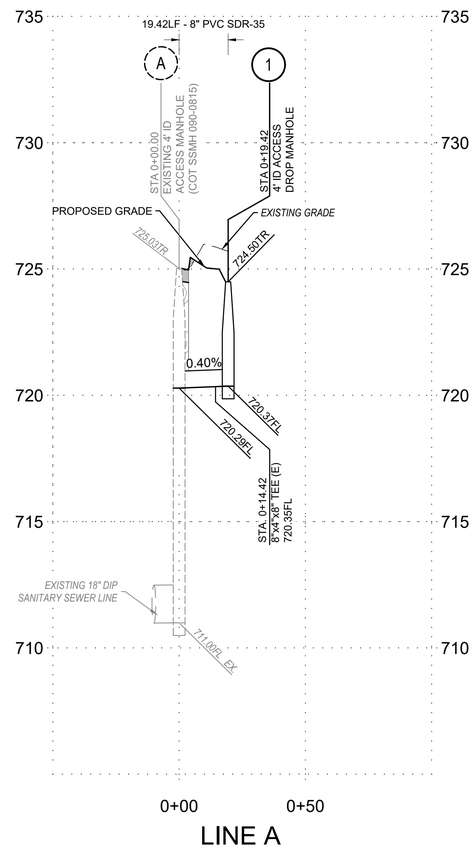
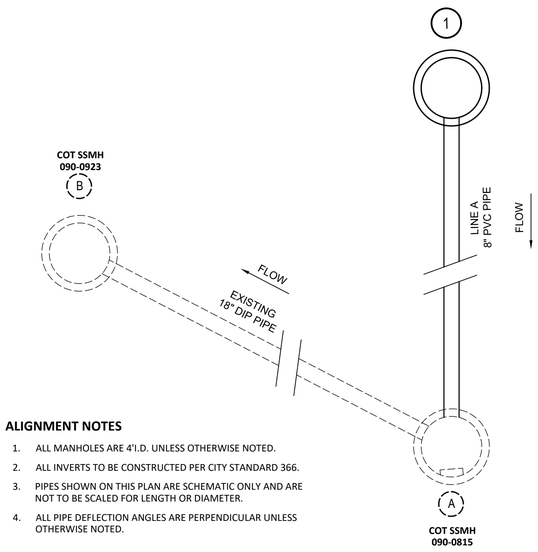


A Profile View
Scale: 1"=30' (H), 1"=10' (V)



B Alignment Details
Scale: 1"=5'

ALIGNMENT NOTES

1. ALL MANHOLES ARE 4'I.D. UNLESS OTHERWISE NOTED.
2. ALL INVERTS TO BE CONSTRUCTED PER CITY STANDARD 366.
3. PIPES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND ARE NOT TO BE SCALED FOR LENGTH OR DIAMETER.
4. ALL PIPE DEFLECTION ANGLES ARE PERPENDICULAR UNLESS OTHERWISE NOTED.

Manhole Table

MH#	NORTHING	EASTING
A	426105.13	2577753.55
B	426117.97	2577718.87
1	426124.54	2577753.18

AREAS TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PRIOR TO UTILITY CONSTRUCTION.

UTILITY LINES LOCATED UNDER PAVEMENT SHALL BE BACKFILED WITH TYPE A AGGREGATE BASE COMPACTED TO 95% STANDARD DENSITY AS SHOWN ON PROFILES.

ADS Benchmark Location

STATION	COORDINATES	DESCRIPTION OF POINTS
505	N: 429041.730 E: 2576561.413 ELEV: 725.034'	5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH-STAMPED "504", SET N.E. OF THE INTERSECTION OF ADMIRAL PL, AND HARVARD AVE.

BEFORE YOU DIG 1-800-522-OKIE CALL OKIE

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ELEVATION=724.52

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ELEVATION=727.62

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FOR IDP PERMIT ONLY

MICHAEL LING, PE DATE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

REED ARCHITECTURE & INTERIORS
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CA# 1460 EXP. DATE 6/30/2023

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918.252.4557

CONSULTANT:

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ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

SANITARY SEWER PROFILE & DETAILS

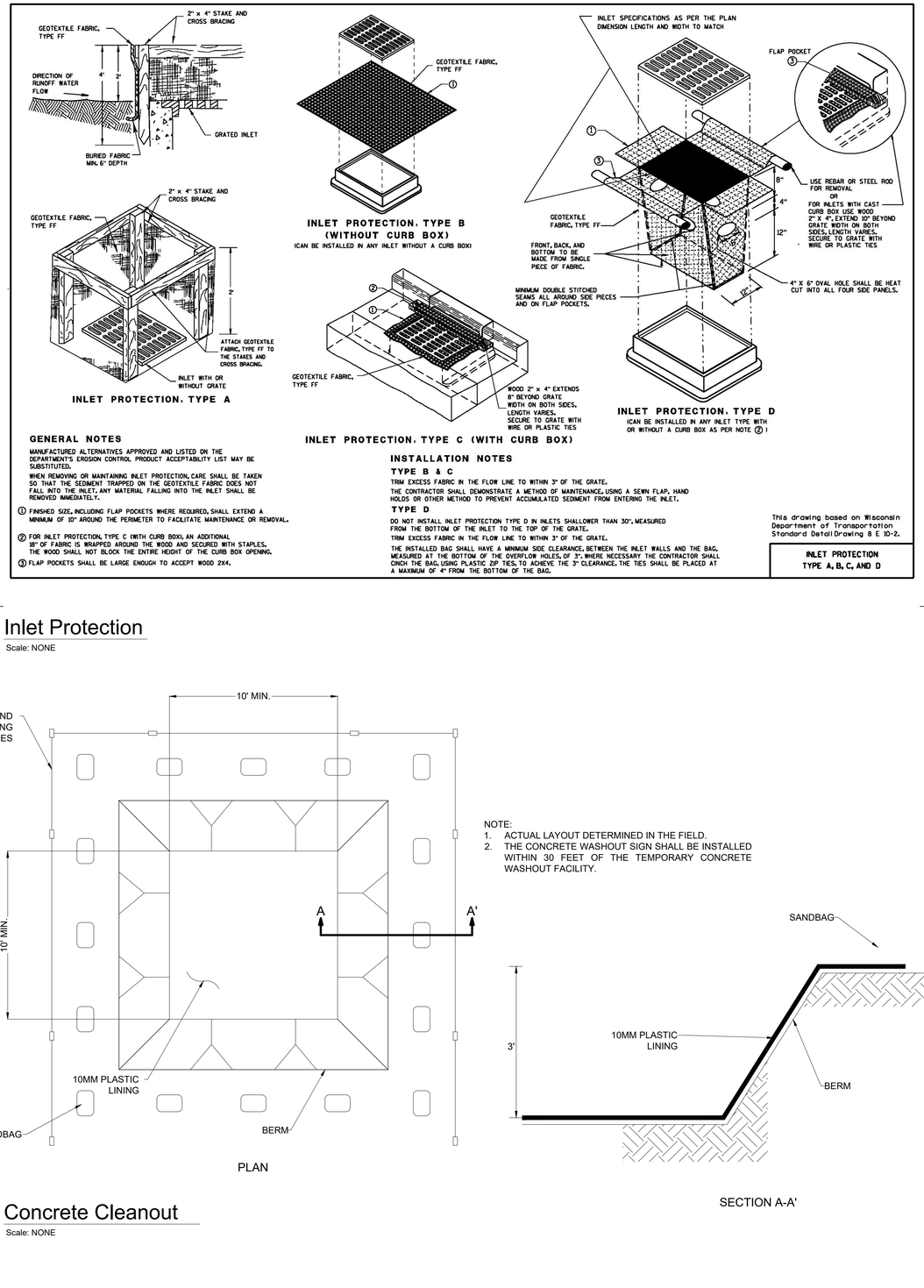
JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

SS03

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

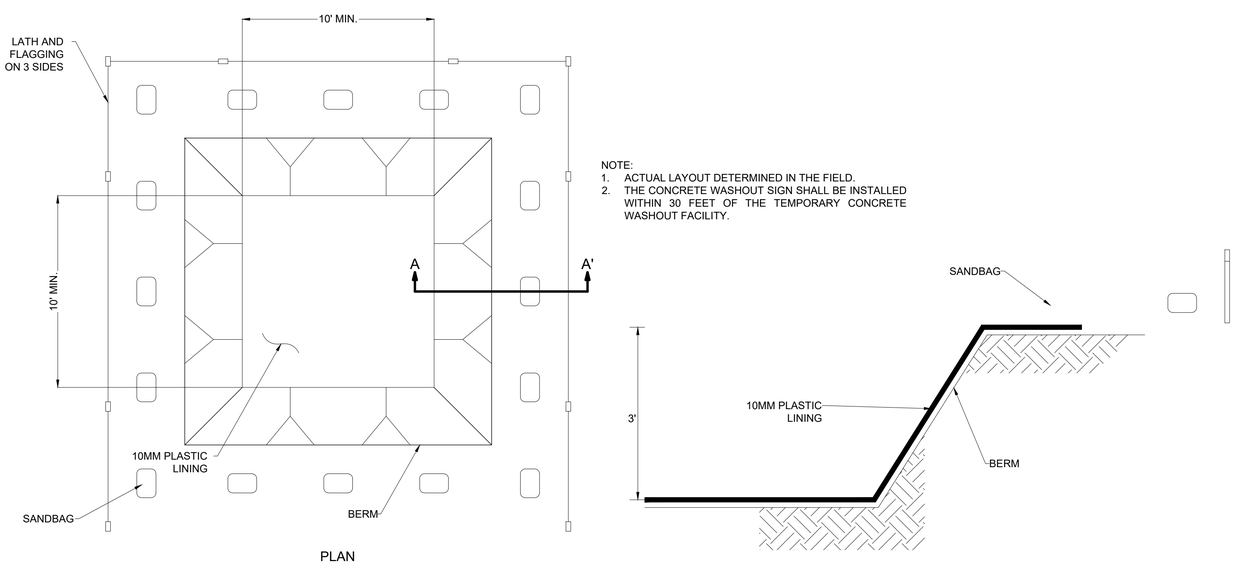
SCALE 1"=20'

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP09_SS01,SS02_SS Plan & Profile.dwg
PLOT:2/9/2023 3:34:44 PM
ORIG SIZE:22"X34"



A Inlet Protection

Scale: NONE



NOTE:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

B Concrete Cleanout

Scale: NONE

REED ARCHITECTURE & INTERIORS
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REVISIONS

SHEET NAME

IDP DETAIL SHEET

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

REGISTERED PROFESSIONAL ENGINEER
A. NICOLE WATTS
21511
OKLAHOMA
02/09/2023

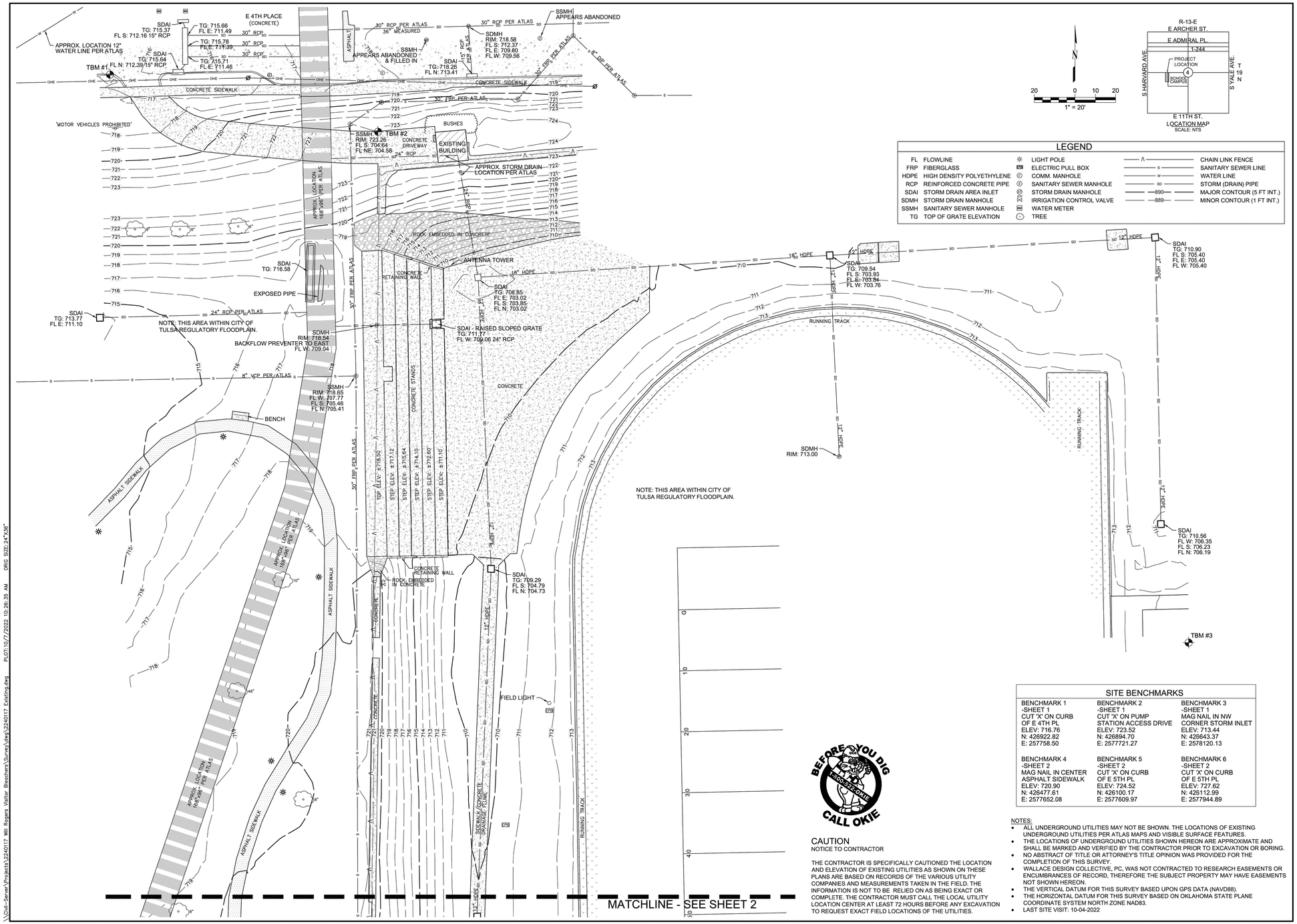
GE06

SCALE 1" = NTS

ORIG SIZE:22"X34"

PLOT:2/9/2023 3:35:02 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\IDP11_GE04_Details.dwg



LEGEND

FL	FLOWLINE		LIGHT POLE		CHAIN LINK FENCE
FRP	FIBERGLASS		ELECTRIC PULL BOX		SANITARY SEWER LINE
HDPE	HIGH DENSITY POLYETHYLENE		COMM. MANHOLE		WATER LINE
RCP	REINFORCED CONCRETE PIPE		SANITARY SEWER MANHOLE		STORM (DRAIN) PIPE
SDAI	STORM DRAIN AREA INLET		STORM DRAIN MANHOLE	890	MAJOR CONTOUR (5 FT INT.)
SDMH	STORM DRAIN MANHOLE		IRRIGATION CONTROL VALVE	889	MINOR CONTOUR (1 FT INT.)
SSMH	SANITARY SEWER MANHOLE		WATER METER		
TG	TOP OF GRATE ELEVATION		TREE		

SITE BENCHMARKS

BENCHMARK 1 -SHEET 1 CUT 'X' ON CURB OF E 4TH PL ELEV: 716.76 N: 426922.82 E: 2577758.50	BENCHMARK 2 -SHEET 1 CUT 'X' ON PUMP STATION ACCESS DRIVE ELEV: 723.52 N: 426894.70 E: 2577721.27	BENCHMARK 3 -SHEET 1 MAG NAIL IN NW CORNER STORM INLET ELEV: 713.44 N: 426643.37 E: 2578120.13
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BEFORE YOU DIG CALL OKIE 1-800-522-6543

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.

NOTES:
- ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES PER ATLAS MAPS AND VISIBLE SURFACE FEATURES.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND SHALL BE MARKED AND VERIFIED BY THE CONTRACTOR PRIOR TO EXCAVATION OR BORING.
- NO ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION WAS PROVIDED FOR THE COMPLETION OF THIS SURVEY.
- WALLACE DESIGN COLLECTIVE, PC, WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD, THEREFORE THE SUBJECT PROPERTY MAY HAVE EASEMENTS NOT SHOWN HEREON.
- THE VERTICAL DATUM FOR THIS SURVEY BASED UPON GPS DATA (NAVD88).
- THE HORIZONTAL DATUM FOR THIS SURVEY BASED ON OKLAHOMA STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD83.
- LAST SITE VISIT: 10-04-2022

wallace design collective

wallace design collective, pc
structural · civil · landscape · survey
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oklahoma city, oklahoma 73104
405.235.5858 · 800.364.5858
wallace.design
ok coa 1460

LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
LEE MARTIN 2004
OKLAHOMA
10-7-22

TULSA PUBLIC SCHOOLS WILL ROGERS HIGH SCHOOL VISITORS BLEACHERS AND CONCESSION STAND

3909 E 5TH PL., TULSA, OK

TULSA PUBLIC SCHOOLS

REV	DESCRIPTION	DATE
01	ADDITIONAL TOPO TO SOUTH	10-07-2022

PROJECT NO. 2240117

SHEET NAME

TOPOGRAPHIC SURVEY

SHEET NO. 1 OF 2

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007

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CA # 1460 EXP. DATE 6/30/2023

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02/09/2023

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REVISIONS

SHEET NAME

TOPOGRAPHIC SURVEY 1

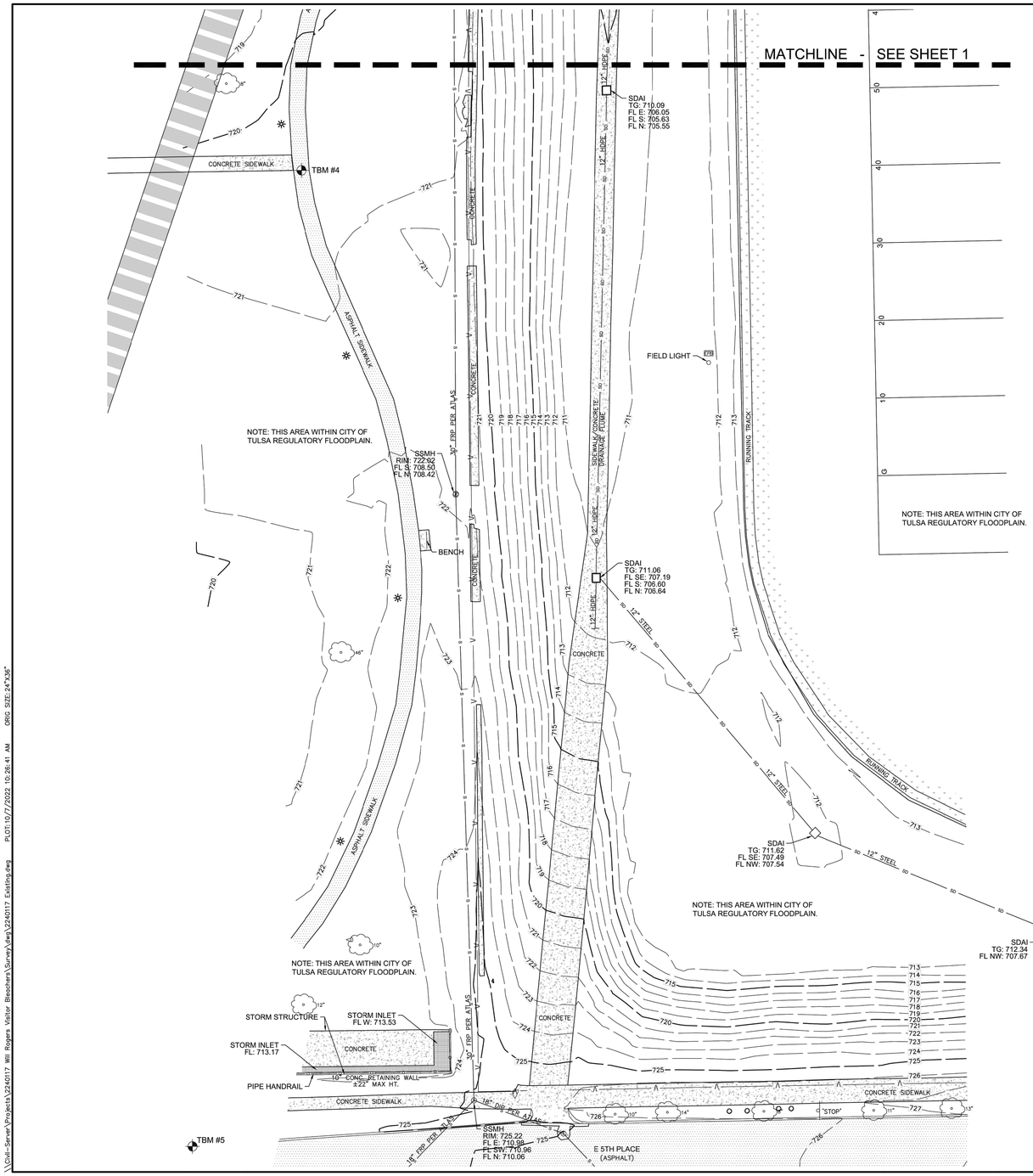
JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

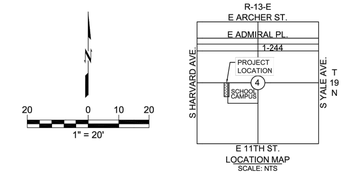
NOT TO SCALE
REFERENCE ONLY

C100

SCALE 1" = NTS

\\civil-server\Projects\2240117 Will Rogers Visitor Bleachers\Survey\dwg\2240117 Existing.dwg PLOT:10/7/2022 10:26:35 AM ORIG SIZE:24"X36"
\\Civil-Server\Projects\2240117 Will Rogers Visitor Bleachers\Survey\dwg\PRODUCTION\C100 - Survey.dwg PLOT:2/9/2023 3:46:27 PM ORIG SIZE:22"X34"





LEGEND

FL	FLOWLINE		LIGHT POLE		CHAIN LINK FENCE
FRP	FIBERGLASS		ELECTRIC PULL BOX	s	SANITARY SEWER LINE
HDPE	HIGH DENSITY POLYETHYLENE		COMM. MANHOLE	w	WATER LINE
RCP	REINFORCED CONCRETE PIPE		SANITARY SEWER MANHOLE	sd	STORM (DRAIN) PIPE
SDAI	STORM DRAIN AREA INLET		STORM DRAIN MANHOLE	890	MAJOR CONTOUR (5 FT INT.)
SDMH	STORM DRAIN MANHOLE		IRRIGATION CONTROL VALVE	889	MINOR CONTOUR (1 FT INT.)
SSMH	SANITARY SEWER MANHOLE		WATER METER		
TG	TOP OF GRATE ELEVATION		TREE		

SITE BENCHMARKS

BENCHMARK 1 -SHEET 1 CUT 'X' ON CURB OF E 4TH PL ELEV: 716.76 N: 426922.82 E: 257758.50	BENCHMARK 2 -SHEET 1 CUT 'X' ON PUMP STATION ACCESS DRIVE ELEV: 723.52 N: 426894.70 E: 2577721.27	BENCHMARK 3 -SHEET 1 MAG NAIL IN NW CORNER STORM INLET ELEV: 713.44 N: 426643.37 E: 2578120.13
BENCHMARK 4 -SHEET 2 MAG NAIL IN CENTER ASPHALT SIDEWALK ELEV: 720.90 N: 426477.61 E: 2577652.08	BENCHMARK 5 -SHEET 2 CUT 'X' ON CURB OF E 5TH PL ELEV: 724.52 N: 426100.17 E: 2577609.97	BENCHMARK 6 -SHEET 2 CUT 'X' ON CURB OF E 5TH PL ELEV: 727.62 N: 426112.99 E: 2577944.89

NOTES:

- ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES PER ATLAS MAPS AND VISIBLE SURFACE FEATURES.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND SHALL BE MARKED AND VERIFIED BY THE CONTRACTOR PRIOR TO EXCAVATION OR BORING.
- NO ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION WAS PROVIDED FOR THE COMPLETION OF THIS SURVEY.
- WALLACE DESIGN COLLECTIVE, PC, WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD, THEREFORE THE SUBJECT PROPERTY MAY HAVE EASEMENTS NOT SHOWN HEREON.
- THE VERTICAL DATUM FOR THIS SURVEY BASED UPON GPS DATA (NAVD88).
- THE HORIZONTAL DATUM FOR THIS SURVEY BASED ON OKLAHOMA STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD83.
- LAST SITE VISIT: 10-04-2022

BEFORE YOU DIG CALL OKIE 1-800-522-6543

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.

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oklahoma city, oklahoma 73104
405.235.5868 · 800.364.5858
wallace.design
ok coa 1460

LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
LEE MARTIN 2004
OKLAHOMA
10-7-22

TULSA PUBLIC SCHOOLS WILL ROGERS HIGH SCHOOL VISITORS BLEACHERS AND CONCESSION STAND

3909 E 5TH PL., TULSA, OK

TULSA PUBLIC SCHOOLS

REV	DESCRIPTION	DATE
01	ADDITIONAL TOPO TO SOUTH	10-07-2022

PROJECT NO. 2240117

SHEET NAME
TOPOGRAPHIC SURVEY

SHEET NO. 2 OF 2

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
"The Team You Trust"

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123 north martin luther king jr. boulevard
tulsa, oklahoma 74103
918.584.5858 · 800.364.5858
CA # 1460 EXP. DATE 6/30/2023

CONSULTANT:

STRUCTURAL ENGINEER
SNOWDEN ENGINEERING, INC.
8128 EAST 63rd STREET
TULSA, OKLAHOMA
918.252.4557

CONSULTANT:

MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

TOPOGRAPHIC SURVEY 2

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

NOT TO SCALE - REFERENCE ONLY

C101

SCALE 1"= NTS

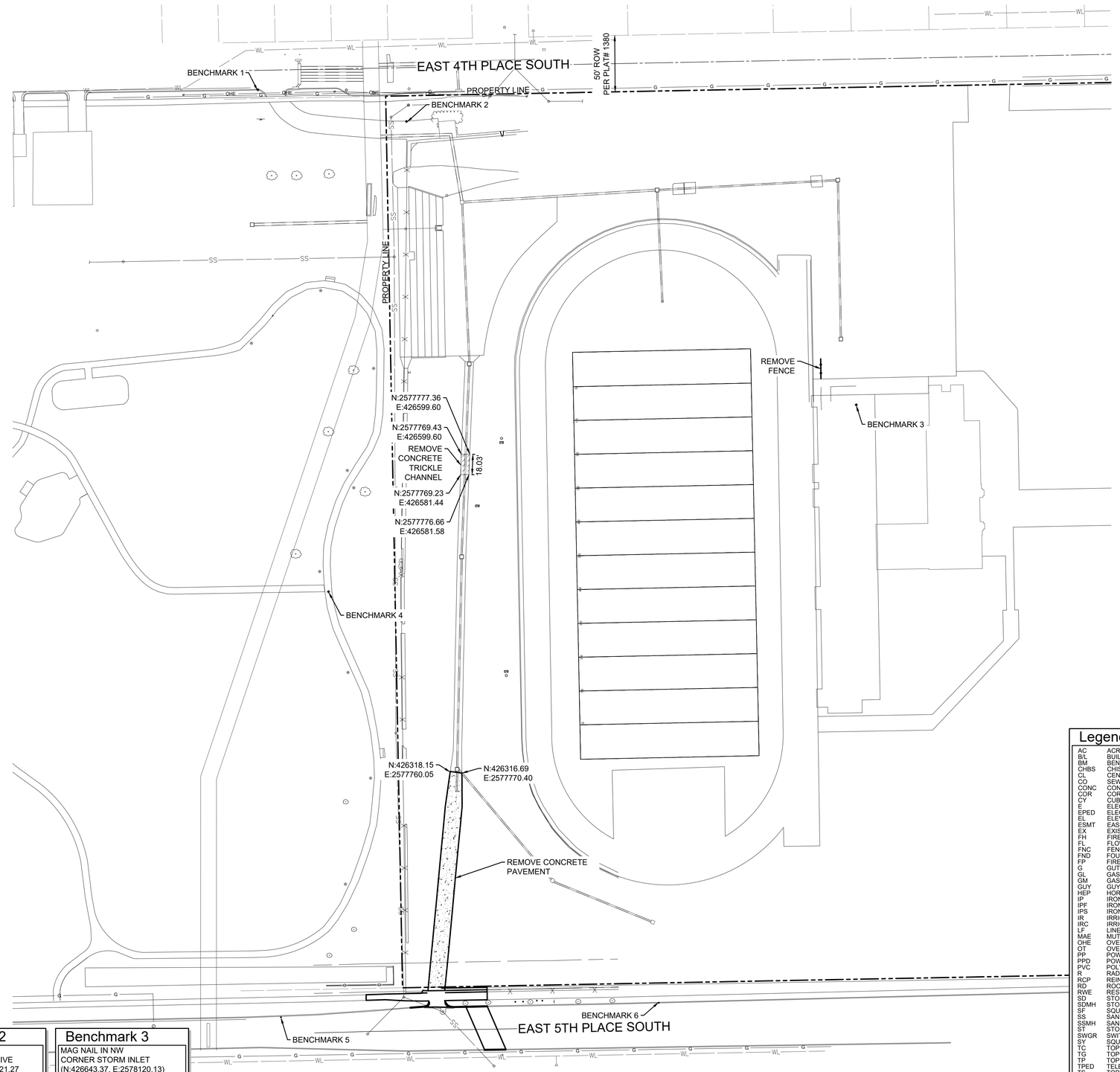
\\civil-server\Projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C100 - Survey.dwg
PLOT:10/7/2022 10:26:41 AM ORIG SIZE:24"X36"
\\Civil-Server\Projects\2240117 Will Rogers Visitor Bleachers\Survey\dwg\2240117 Existing.dwg PLOT:2/9/2023 3:46:35 PM ORIG SIZE:22"X34"

Demolition Plan

1. DEMOLITION AND REMOVAL OPERATIONS SHALL COMMENCE ONLY AFTER ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND FUNCTIONAL.
2. PROVIDE NEAT AND STRAIGHT SAWCUTS OF EXISTING PAVEMENT ALONG ALL LIMITS OF PAVEMENT DEMOLITION.
3. ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. DISPOSE OF OFF THE OWNER'S PROPERTY IN A LEGAL MANNER.
4. ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., IN THE AREA TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE PROVIDED THAT THE GRADATION, CONSISTENCE, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS. BASE COURSE MATERIALS SHALL BE WORKED IN THE SUBGRADE OF AREAS TO RECEIVE PLANTING.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK.
6. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
7. ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER.
8. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, FENCES, TREES, UTILITIES AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR-CAUSED DAMAGE SHALL BE REPAIRED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
9. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL AND COMPACTED TO 98% OF MAXIMUM DENSITY PER ASTM D698.
10. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO UTILITY DISCONNECT.
11. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED DEMOLITION OPERATIONS.
12. EXISTING INFORMATION / TOPOGRAPHIC SURVEY WAS PREPARED BY WALLACE DESIGN COLLECTIVE, PC DATED APRIL 19, 2022.
13. PAVEMENT MARKINGS TO BE REMOVED SHALL BE PAINTED OVER TO MATCH PAVEMENT OR REMOVED WITH WIRE BRUSHING.
14. EXCEPT AS SHOWN, NO TREES SHALL BE REMOVED AND / OR VEGETATION DISTURBED WITHOUT APPROVAL OF THE ARCHITECT / ENGINEER.
15. TREE PROTECTION SHALL CONSISTS OF THE FOLLOWING STEPS:
    - 15.1. CONTRACTOR SHALL HIRE A LICENSED LANDSCAPE CONTRACTOR TO OBSERVE TREE PROTECTION.
    - 15.2. PRIOR TO ANY GRADING OPERATIONS, LOCATE TREES TO BE PROTECTED AND NEATLY CUT ROOTS TO A DEPTH OF 30" AT THE DIMENSIONED LIMITS SHOWN USING A UTILITY TRENCHING MACHINE.
    - 15.3. TREAT EXPOSED ROOTS WITH A HORTICULTURAL TREE PRUNING PROTECTION PRODUCT.
    - 15.4. PRUNE TREE LIMBS BY THE SAME PROPORTIONAL PERCENTAGE AS TREE ROOTS REMOVED (I.E. 25% OF ROOTS REMOVED SHALL RESULT IN 25% OF TREE LIMBS REMOVED).
    - 15.5. INSTALL A CONSTRUCTION FENCE TO THE LIMITS SHOWN AT LEAST 4' IN HEIGHT.
    - 15.6. BEGIN CLEARING AND GRADING OPERATIONS.

Hatch Legend

- REMOVE EXISTING CONCRETE TRICKLE CHANNEL
- REMOVE EXISTING CONCRETE PAVEMENT



NORTH

0 25' 50' 75'

Scale: 1"= 50'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHSELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

Benchmark 1
CUT 'X' ON CURB
OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP
STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW
CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER
ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB
OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

REED ARCHITECTURE & INTERIORS
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REVISIONS

SHEET NAME

DEMOLITION PLAN

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C200

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=50'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:35:47 PM
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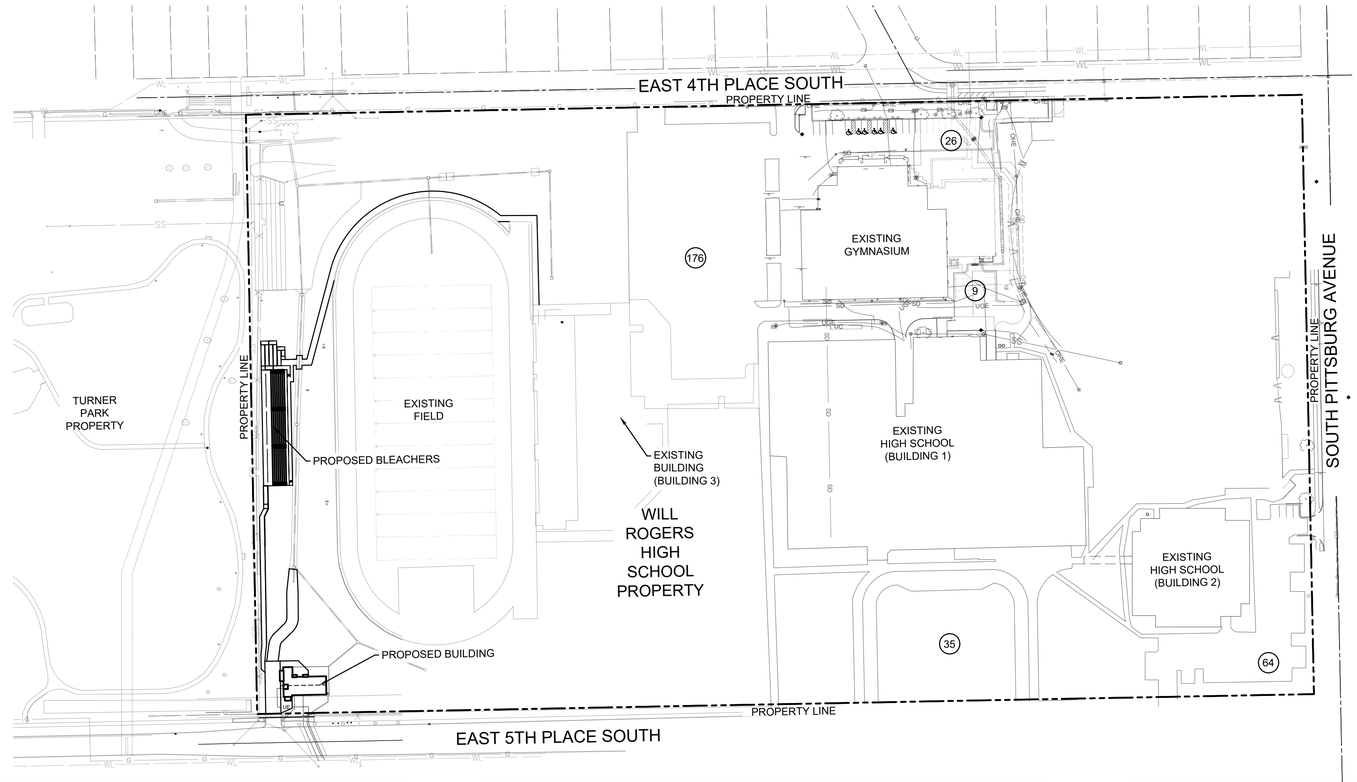

NORTH

0 50' 100' 150'

Scale: 1"= 100'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
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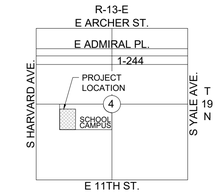

LOCATION MAP
SCALE: NTS

Contact List

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CITY OF TULSA CHRIS KOVAC 2317 S. JACKSON AVENUE TULSA, OK 74107 PHONE: (918) 596-7285	SBC TELEPHONE COMPANY STEVE SPRADLIN 5305 EAST 71ST ST TULSA, OK 74136 PHONE: (918) 596-6588
AEP/PSO KATHY BLEVINS 212 EAST 6TH STREET TULSA, OK 74102 PHONE: (918) 599-6503 OKLAHOMA NATURAL GAS	COX COMMUNICATIONS ROBERT DREW 11811 EAST 51ST STREET TULSA, OK 74145 PHONE: (918) 286-4657

Floodplain Determination

REGULATORY FLOODPLAIN ELEVATION	720.10
CASE ID #	31159830

Floodplain Information

FEMA PANEL # 40143C0243L	EFFECTIVE DATE 10/16/2012
COT REGULATORY FLOODPLAIN PANEL 37	EFFECTIVE DATE 03/9/2021
FLOODPLAIN DETERMINATION CASE ID	31159830

General Construction Notes:

1. COORDINATION OF PRIVATE FRANCHISED UTILITIES BY THIS FIRM IS LIMITED TO PROVIDING INFORMATION TO THE OPERATORS OF PRIVATE UTILITIES.
2. THESE DRAWINGS DEPICT THE INTENT OF PRIVATE UTILITY ROUTINGS AS UNDERSTOOD OR ASSUMED DURING DESIGN PHASES OF THE PROJECT.
3. FINAL COORDINATION MAY BE REQUIRED AFTER THE DOCUMENTS ARE ISSUED AND, IN CASES, AFTER PROPOSED UTILITIES AND PAVEMENTS ARE IN PLACE.
4. THE OWNER OF SAID UTILITIES RESERVE THE RIGHT TO DESIGN, CONSTRUCT AND OPERATE OR RECONSTRUCT PRIVATE UTILITIES IN ACCORDANCE WITH THE RIGHTS ESTABLISHED WITHIN THE EXISTING UTILITY EASEMENTS.
5. THE LOCATIONS, ALIGNMENTS, DEPTHS, TYPE, AMOUNT AND QUALITY OF PROPOSED ELECTRICAL, NATURAL GAS AND TELECOMMUNICATIONS ARE NOT REGULATED OR CONTROLLED BY THESE DOCUMENTS.
6. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO NEGOTIATE ALL CONTRACTS FOR SERVICE WITH EACH INDIVIDUAL UTILITY COMPANY AND TO PROVIDE THE ENGINEER WITH ANY DOCUMENTS THAT MAY AFFECT THE LAYOUT.
7. THE CONTRACTOR SHALL COORDINATE ALL UTILITY SERVICES WITH UTILITY SUPPLIER. SEE SHEET C300 FOR UTILITY COMPANY NAMES AND PERSONNEL CONTACTS.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH SUPPLIER OF SERVICES TO CONFIRM THE CONDUIT AND TRENCHING REQUIREMENTS FOR ELECTRICAL, NATURAL GAS AND TELECOMMUNICATIONS. THIS FIRM HAS INDICATED SERVICES FOR COORDINATION PURPOSES AND RESERVES THE RIGHT TO INCORPORATE SHOP DRAWINGS AND SUBMITTALS PROVIDED BY SUPPLIERS AT A SUBSEQUENT TIME. WALLACE DESIGN COLLECTIVE, PC DOES NOT OFFER AN OPINION AS TO THE TYPE OF SERVICE REQUIRED OR PREFERRED BY THE OWNER.

TYPICAL CONDUIT TYPES:

WATERLINE CONDUIT:	4" PVC SCH40
ELECTRICAL CONDUIT:	4" PVC SCH40 (GRAY)
TELEPHONE CONDUIT:	4" PVC SCH40 (WHITE)
CABLE TELEVISION CONDUIT:	4" SDR 35 PVC (WHITE)

9. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING.
10. THE CONTRACTOR SHALL MAINTAIN A TWO FOOT (2') SEPARATION BETWEEN THE GAS LINE CONDUIT AND ALL OTHER CONDUITS.
11. THE CONTRACTOR SHALL COORDINATE ALL BUILDING CONNECTIONS WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING PLANS.
12. THE CONTRACTOR SHALL INSTALL AND CONNECT WATER AND SEWER UTILITY SERVICES PER APPLICABLE CITY CODES AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL INSTALL IRRIGATION LINES AND CONDUITS PER THE IRRIGATION PLANS PREPARED BY THE LANDSCAPE ARCHITECT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS.
15. ALL TRENCHES SHALL BE BACKFILLED PER UTILITY COMPANY SPECIFICATIONS AND COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE INDICATED RE: GEOTECHNICAL REPORT.
16. CONSULT ARCHITECTURAL, PLUMBING & ELECTRIC PLANS FOR CONTINUATION OF UTILITY LINES INTO THE BUILDING. VERIFY LOCATIONS OF UTILITY ENTRY AND SIZE OF REQUIRED SERVICE LINES.
17. 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.

Site Plan Notes:

1. ALL DIMENSIONS SHOWN HEREON ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE SHOWN OTHERWISE ON PLANS.
2. THE CONTRACTOR SHALL MAINTAIN A TWO FOOT (2') SEPARATION BETWEEN THE GAS LINE CONDUIT AND ALL OTHER CONDUITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS.
4. BUILDINGS SHOWN HEREON ARE REPRESENTATIVE ONLY AND NOT FOR CONSTRUCTION.
5. CONTRACTOR TO COORDINATE ALL UTILITY SERVICES WITH UTILITY SUPPLIER.
6. COORDINATE ALL BUILDING CONNECTIONS AND LINE/METER SIZING WITH THE MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
7. UTILITY SERVICE CONNECTIONS SHALL BE INSTALLED AS PER APPLICABLE CITY CODES AND SPECIFICATIONS.
8. ELECTRICAL CONDUIT SHALL BE 4" PVC SCH40 (GRAY), TELEPHONE CONDUIT SHALL BE 4" PVC SCH40 (WHITE) AND CABLE TELEVISION CONDUIT SHALL BE 4" SDR 35 PVC (WHITE). ALL ARE TO BE INSTALLED WITH A PULL STRING.
9. HANDICAP PARKING SIGNS SHALL BE CENTERED ON THE HANDICAPPED PARKING STALLS. SIGNS SHALL HAVE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON THEM AND ONE SIGN SHALL HAVE THE STATEMENT 'VAN ACCESSIBLE' BELOW THE SYMBOL OF ACCESSIBILITY. BOTTOM OF SIGNS SHALL BE A MINIMUM OF 60" AND A MAXIMUM OF 72" ABOVE THE SIDEWALK.
10. THE UTILITY LOCATIONS REPRESENTED ON THIS DRAWING WERE COMPILED FROM BOTH FIELD OBSERVATIONS AND INFORMATION FROM VARIOUS UTILITY COMPANIES. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES AND THE OKIE ONE-CALL SYSTEM IN ORDER TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
11. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON THE TOPOGRAPHIC DESIGN SURVEY BY WALLACE DESIGN COLLECTIVE, PC DATED 10/04/2022.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY WORK ORDERS AND PERMITS FROM THE CITY, INCLUDING PROVISION OF BONDS AND INSURANCE AS REQUIRED.
13. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
14. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING.
15. VERTICAL DATUM BASED ON GPS DATA (NAVD88)
16. HORIZONTAL DATUM BASED ON OKLAHOMA STATE PLANE COORDINATE SYSTEM (NAD83).
17. FOR SITE LIGHTING LOCATIONS AND CONDUIT REFERENCE ELECTRICAL PLANS.

Site Data:

LAND AREA SUMMARY

NET LAND AREA	1,103,084.00SF (25.32 AC)

SITE DATA

ZONING	RS-3

BUILDING DATA

PROPOSED CONCESSION BUILDING	1,530 SF
HIGH SCHOOL EXISTING BUILDING 1:	99,830 SF
HIGH SCHOOL EXISTING BUILDING 2:	21,900 SF
EXISTING GYMNASIUM:	35,708 SF

OFF-STREET PARKING REQUIREMENTS

REQUIRED:	
PROPOSED BLEACHERS (720 SEAT STADIUM x 0.2):	144 PARKING SPACES
PROPOSED CONCESSION (0.75 SPACE PER 1,000 SF)	2 PARKING SPACE
EXISTING HIGH SCHOOL BUILDINGS	158 PARKING SPACES
EXISTING BLEACHERS	324 PARKING SPACES
EXISTING CONCESSION (BUILDING 3)	24 PARKING SPACES
TOTAL:	652 PARKING SPACES
PROVIDED:	
EXISTING HIGH SCHOOL PARKING:	310 PARKING SPACES
EXISTING STREET PARKING:	106 PARKING SPACES
TOTAL:	416 PARKING SPACES

HANDICAP PARKING REQUIREMENTS

REQUIRED:	8 HANDICAP SPACES
EXISTING:	14 HANDICAP SPACES

IMPERVIOUS AREA

TOTAL SITE AREA:	1,103,084.00 SF (25.33AC)
TOTAL DISTURBED AREA:	66,680.68 SF (1.53 AC)
EXISTING IMPERVIOUS AREA:	8,163.30 SF (0.19 AC)
PROPOSED IMPERVIOUS AREA:	17,574.82 SF (0.40 AC)
NET INCREASE:	+ 9,411.52 SF

LEGAL DESCRIPTION

A TRACT OF LAND IN THE SOUTHWEST QUARTER (SW/4) OF SECTION FOUR (4), TOWNSHIP NINETEEN (19) NORTH, RANGE THIRTEEN (13) EAST OF THE INDIAN BASE AND MERIDIAN, CITY OF TULSA, TULSA COUNTY, STATE OF OKLAHOMA, ACCORDING TO THE U.S. GOVERNMENT SURVEY THEREOF, SAID TRACT BEING DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT A POINT 1,219.4 FEET EAST AND 25 FEET SOUTH OF THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OR SAID SECTION 4; THENCE SOUTH 791.00 FEET; THENCE SOUTHWEST 40.03 FEET; THENCE EAST 1,437.10 FEET; THENCE NORTH 826.00 FEET; THENCE WEST 1,417.08 FEET TO THE POINT OF BEGINNING, LESS THE SOUTH 35.00 FEET FOR STREET

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1
CUT 'X' ON CURB
OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP
STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW
CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER
ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB
OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

OVERALL SITE & UTILITY PLAN

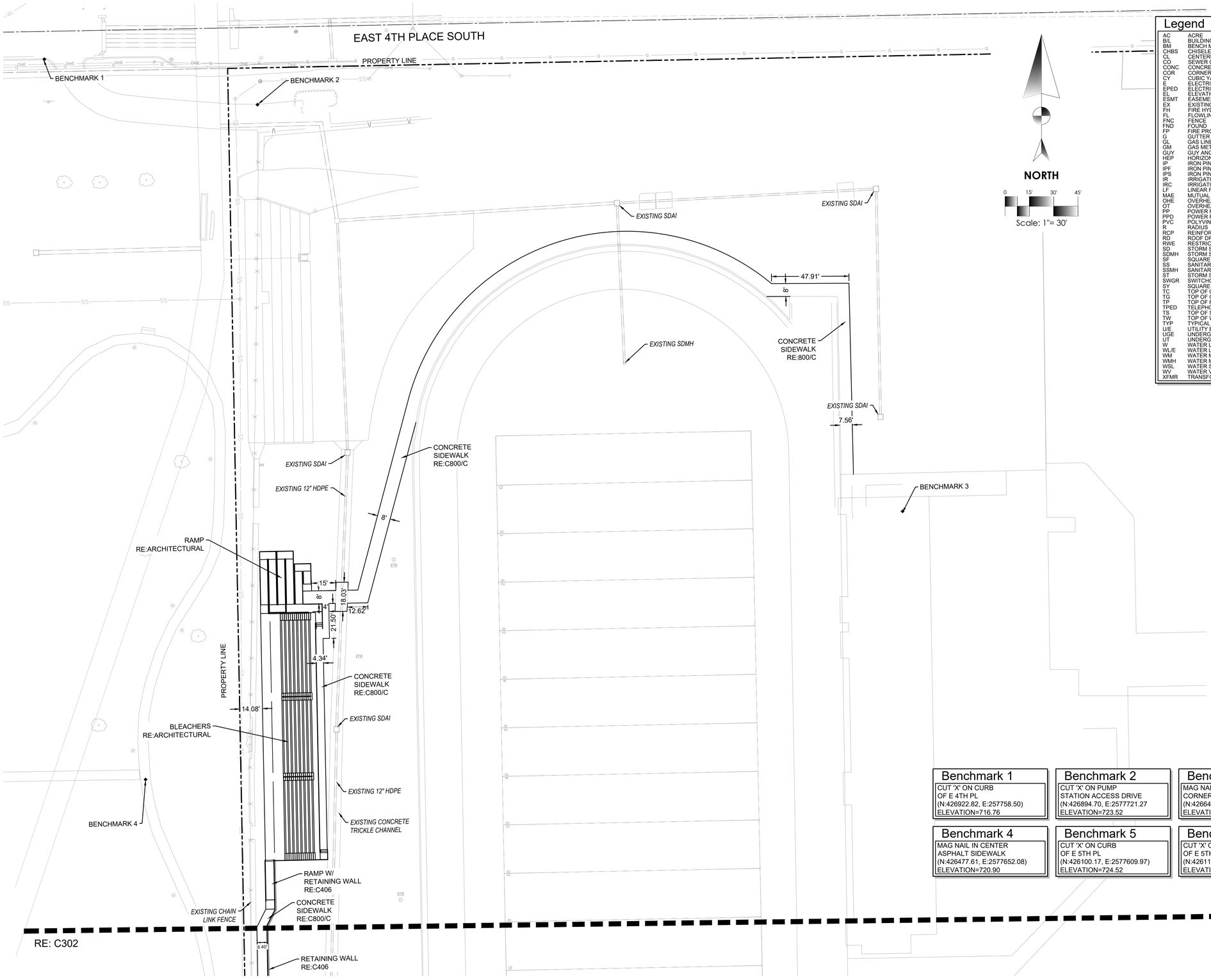
JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C300

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=100'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:36:35 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C300 - Site Plan.dwg



Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
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XFMR	TRANSFORMER

Benchmark 1	Benchmark 2	Benchmark 3
CUT 'X' ON CURB OF E 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76	CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52	MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44
Benchmark 4	**Benchmark 5**	**Benchmark 6**
MAG NAIL IN CENTER ASPHALT SIDEWALK (N:426477.61, E:2577652.08) ELEVATION=720.90	CUT 'X' ON CURB OF E 5TH PL (N:426100.17, E:2577609.97) ELEVATION=724.52	CUT 'X' ON CURB OF E 5TH PL (N:426112.99, E:2577944.89) ELEVATION=727.62

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918.584.5858 · 800.364.5858
CA# 1460 EXP. DATE 6/30/2023

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918.252.4557

CONSULTANT:

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1401 SOUTH DENVER AVENUE, SUITE A
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CA 3479 EXP. 06/30/2024

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02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

DETAILED SITE & UTILITY PLAN - NORTH

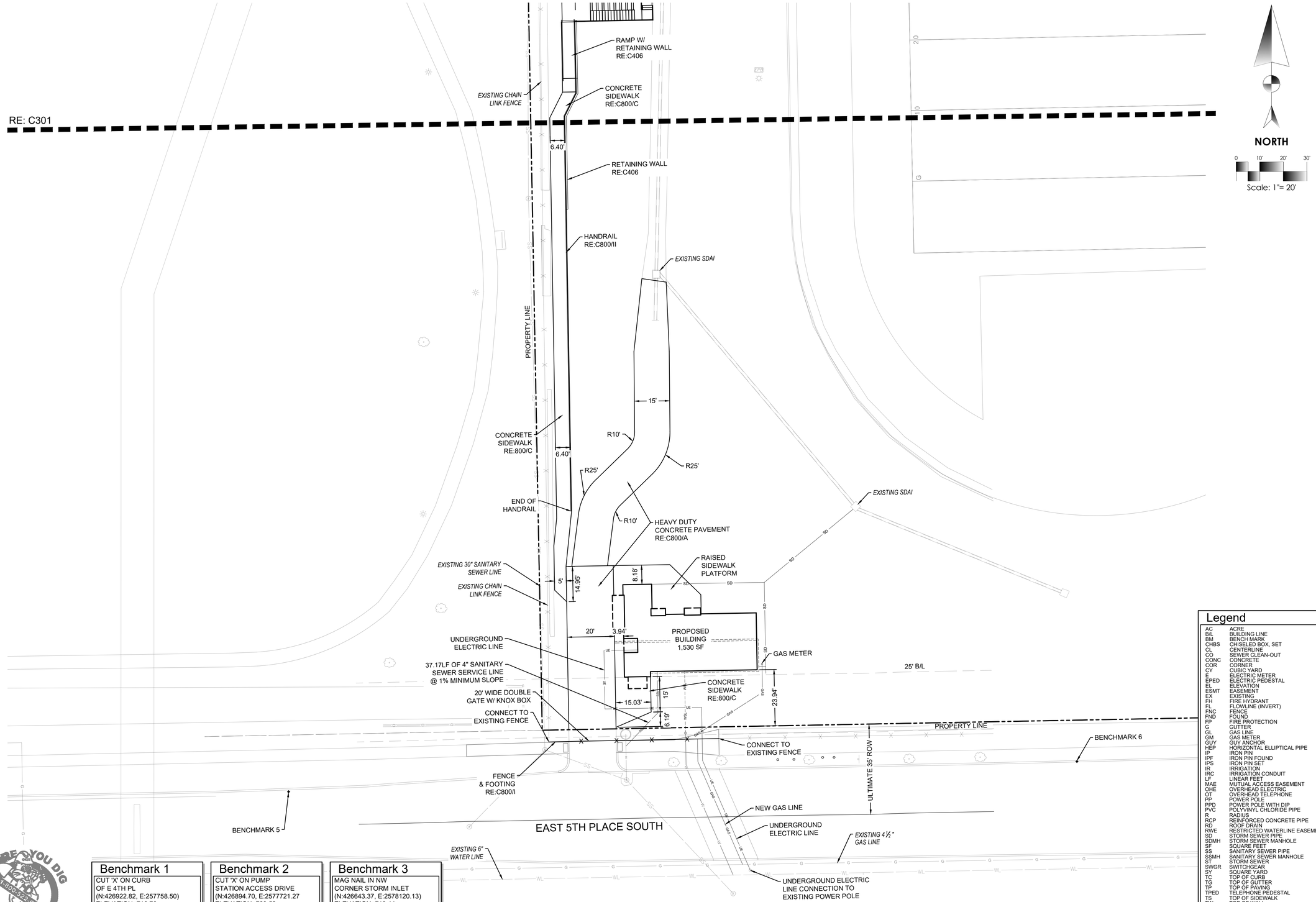
JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C301

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=30'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:36:40 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C300 - Site Plan.dwg



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CA 3479 EXP. 06/30/2024

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02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

DETAILED SITE & UTILITY PLAN - SOUTH

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C302

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=20'

ORIG SIZE:22"X34"

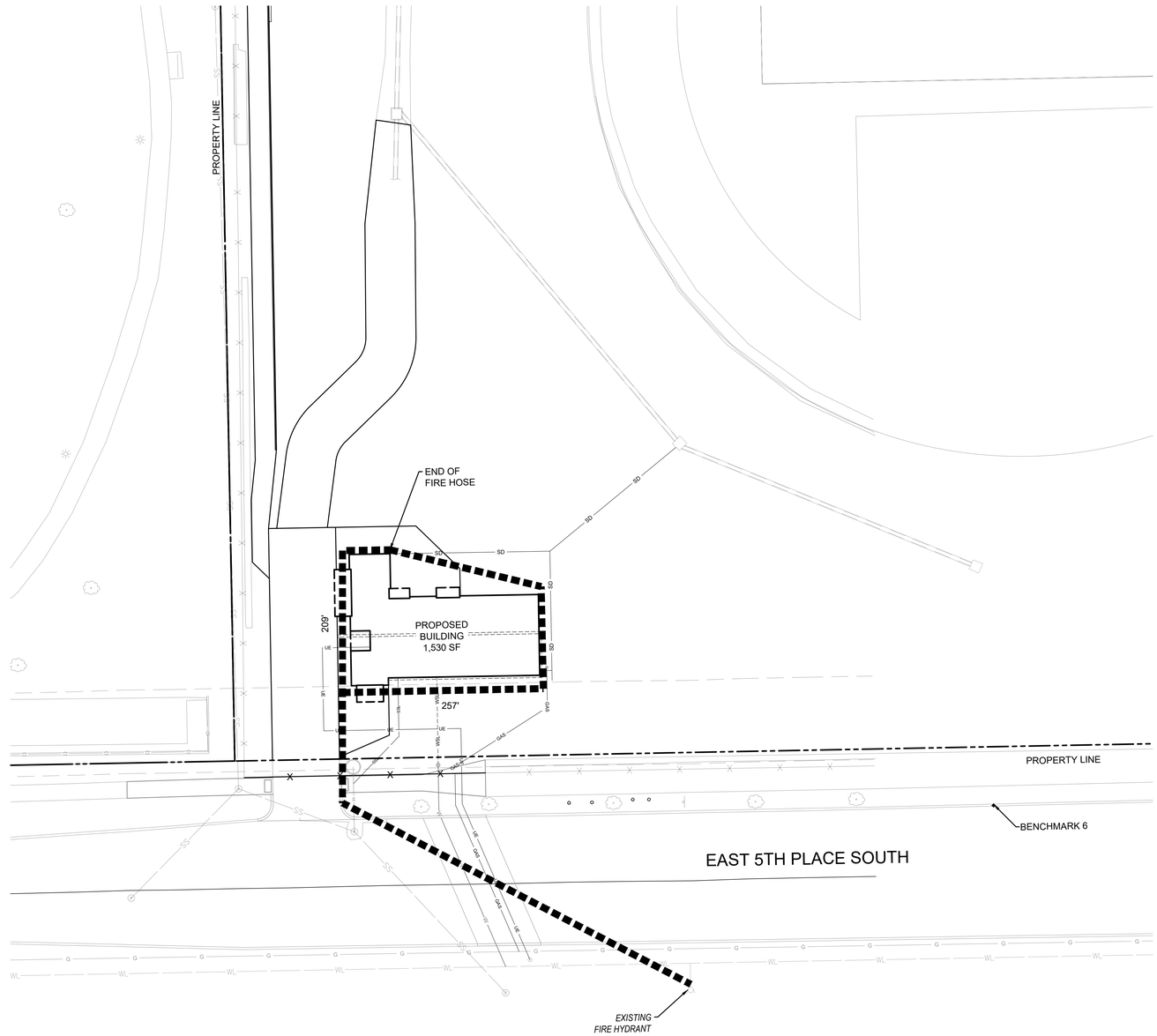
PLOT:2/9/2023 3:36:45 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C300 - Site Plan.dwg

Legend

LAY OF FIRE HOSE

*257 LF OF FIRE HOSE FROM FIRE HYDRANT TO PROPOSED BUILDING



NORTH

0 10' 20' 30'

Scale: 1"= 20'

Legend

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CUT 'X' ON PUMP
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REVISIONS

SHEET NAME

FIRE SITE PLAN

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

C303

REGISTERED PROFESSIONAL ENGINEER
A. NICOLE WATTS
21511
OKLAHOMA
02/09/2023

SCALE 1"=20'

ORIG SIZE:22"X34"

PLOT:2/9/2023 3:37:15 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C303 - Fire Plan.dwg

Grading Notes

1. ALL GRADING SHALL MEET OR EXCEED THE CITY CONSTRUCTION STANDARDS AND MUNICIPAL POLICY.
2. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING.
3. TOPSOIL SHALL BE STRIPPED TO A DEPTH WHERE SOIL IS FREE OF ROOTS AND VEGETATION.
4. SUBGRADE STABILIZATION SHALL BE AT THE DIRECTION OF THE ENGINEER, OR AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
5. CIVIL ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
6. UNDERCUTTING OF SOFT SPOTS AND PLACEMENT OF EARTHWORK IS GOVERNED FIRST BY THE GEOTECHNICAL REPORT. OBSERVATION AND TESTING SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER TO VERIFY THAT THE SOFT SPOTS ARE PROPERLY OVEREXCAVATED AND REPLACED OR STABILIZED.
7. CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION PER GEOTECHNICAL REPORT AND SPECIFICATIONS.
8. STRIPPING, PROOFROLLING, SUBGRADE SCARIFICATION AND COMPACTION, AND FILL CONSTRUCTION IN THE BUILDING AND PAVING AREAS SHALL BE PERFORMED ACCORDING TO THE SUBSURFACE GEOTECHNICAL REPORT. EMBANKMENT BENEATH BUILDING PADS OR FOR PAVING SUBGRADE SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE SPECIFIED THEREIN.
9. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO IMPORT OR EXPORT MATERIAL AS NECESSARY TO ACHIEVE THE GRADES SHOWN ON THE CIVIL ENGINEER'S DOCUMENTS.
10. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL IN-PLACE FINAL TRIM AREAS TO CONDITION PRIOR TO PLACING TOPSOIL. TOPSOIL SHALL BE PLACED AND ACCEPTED PRIOR TO THE PLACEMENT OF SOD.
11. THE SIDEWALK CONTRACTOR IS RESPONSIBLE FOR ALL REMAINING FINAL TRIM.
12. FINAL GRADES OF ABOVE SURFACE UTILITIES NOT IN PAVED AREAS, INCLUDING BUT NOT LIMITED TO STORM SEWER MANHOLE LIDS, WATER METER LIDS AND SEWER CLEANOUTS, ARE TO BE ADJUSTED BY THE UTILITY CONTRACTOR TO CONFORM TO LANDSCAPING SOD INSTALLATION.
13. TRANSFORMER PADS AND PEDESTALS ARE TO BE LEVEL AND PLUMB.
14. CARE SHALL BE TAKEN TO ADJUST GAS METERS AND MANIFOLDS TO MATCH NEW GRADES.
15. GENERAL CONTRACTOR SHALL MONITOR INSTALLATION OF SERVICE PEDESTALS, SHALL ACCEPT THE CONDITION OF THE WORK BY OTHERS, AND SHALL BE RESPONSIBLE TO EMPLOY CONTRACTORS AS NECESSARY TO CORRECT POOR WORKMANSHIP.
16. PAVING CONTRACTOR IS RESPONSIBLE TO REVIEW ALL FIELD ESTABLISHED GRADES PRIOR TO PLACEMENT OF MATERIALS SO AS TO PROVIDE POSITIVE DRAINAGE IN ALL CASES.
17. CORRECTIVE MEASURES DIRECTED BY THE ENGINEER MAY INCLUDE COMPLETE REMOVAL AND REPLACEMENT AT NO COST TO OWNER IN CASES OF POOR WORKMANSHIP OR UNSATISFACTORY IN-PLACE CONDITIONS.
18. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL STAKING NECESSARY TO INSTALL CONDUITS SUFFICIENT FOR UTILITY AND IRRIGATION SERVICES WHETHER OR NOT SHOWN ON THE CIVIL ENGINEER'S PLANS.
19. CONTRACTOR SHALL BE OBLIGATED TO KEEP DUST AT A MINIMUM AS REQUIRED BY CITY ENGINEER.
20. CONTRACTOR AND ALL RELATED CONSTRUCTION ACTIVITIES WILL BE REQUIRED TO MAINTAIN NORMAL WORKING HOURS IF SIGNIFICANT PUBLIC REQUEST ARE MADE TO THE CITY TO THIS REGARD.
21. SITE GRADING IS EXPECTED TO BE PERFORMED IN A MANNER CONSISTENT WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) SUBMITTED FOR THIS PROJECT.

Grading Legend

BW	BASE OF WALL FINISH GRADE
CTRN	CURB TRANSITION
EP	EDGE OF PAVING
EX	EXISTING GROUND
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOWLINE
G	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TP	TOP OF PAVING
TR	TOP OF RIM
TS	TOP OF SIDEWALK OR STEP
TW	TOP OF WALL FINISH GRADE

Floodplain Determination

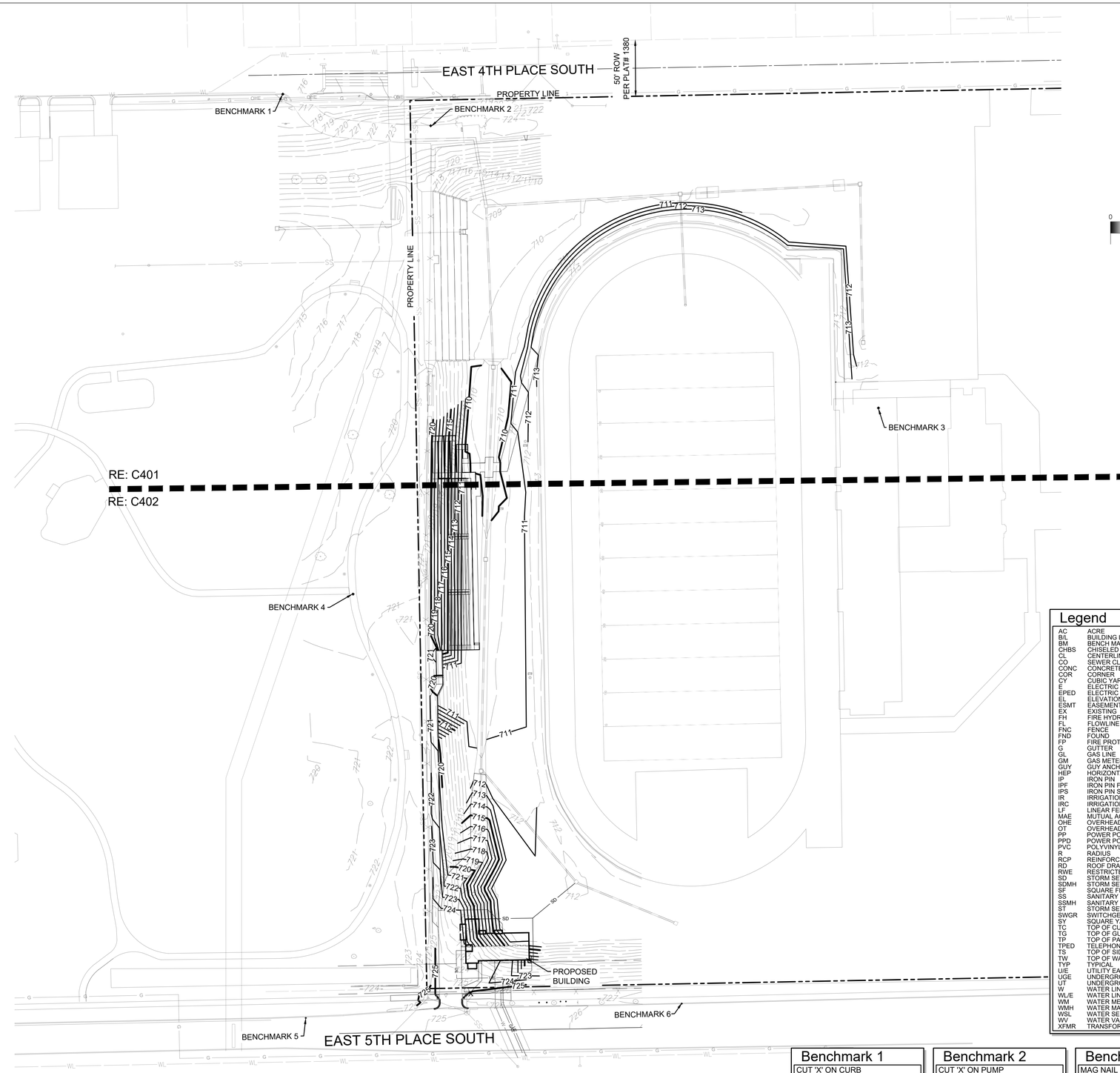
REGULATORY FLOODPLAIN ELEVATION	720.10
CASE ID #	31159830

Floodplain Information

FEMA PANEL # 40143C0243L	EFFECTIVE DATE 10/16/2012
COT REGULATORY FLOODPLAIN PANEL 37	EFFECTIVE DATE 03/9/2021
FLOODPLAIN DETERMINATION CASE ID	31159830

BEFORE YOU DIG CALL OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)



NORTH

0 25' 50' 75'

Scale: 1"= 50'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
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LF	LINEAR FEET
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WSL	WATER SERVICE LINE
WV	WATER VALVE
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Benchmark 1
CUT 'X' ON CURB OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
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CONSULTANT:

MEP ENGINEER
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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

OVERALL GRADING PLAN

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C400

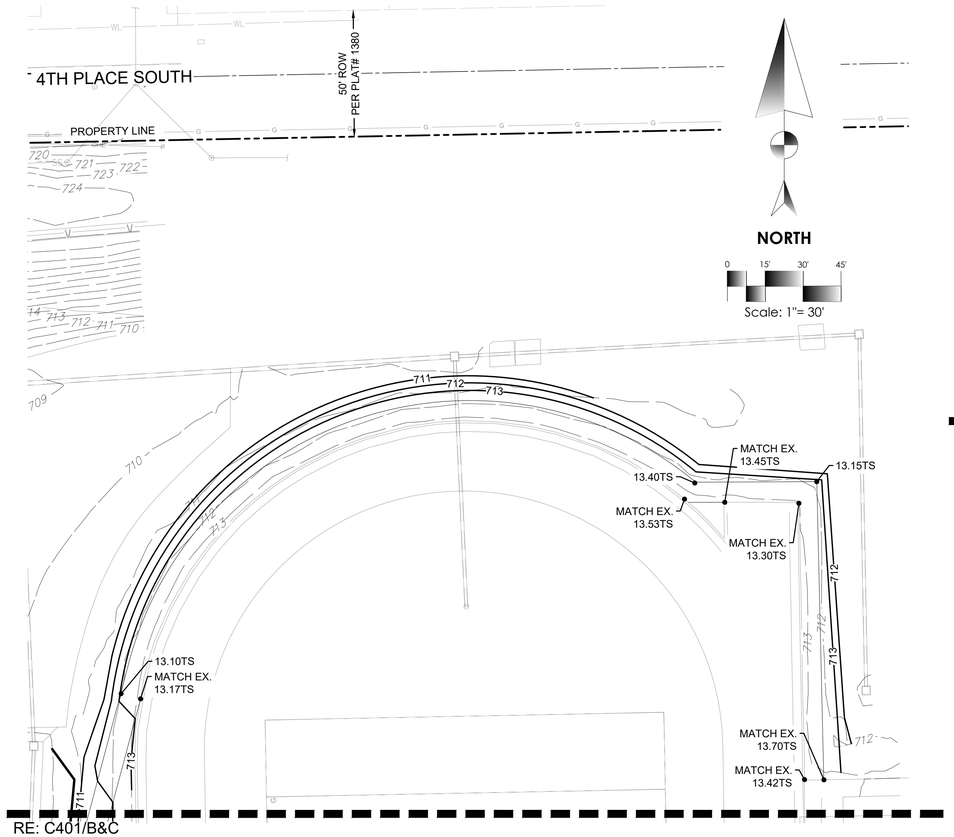
REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=50'

ORIG SIZE:22"X34"

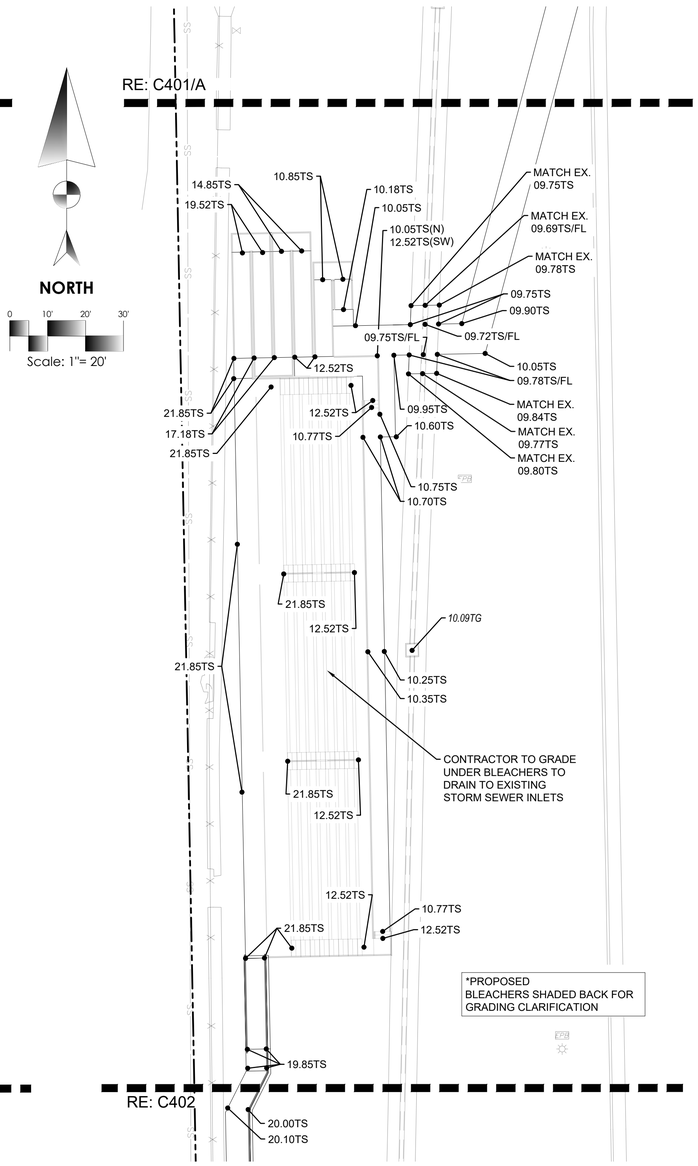
PLOT:2/9/2023 3:37:39 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C400 - Grading Plan.dwg



B North Sidewalk Grading
Scale: 1" = 30'

B Bleachers Grading - Contours Only
Scale: 1" = 20'



C Bleachers Grading - Spot Elevations Only
Scale: 1" = 20'

Legend

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CUT 'X' ON CURB
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(N:426112.99, E:2577944.89)
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Grading Legend

BW	BASE OF WALL FINISH GRADE
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ORIG SIZE:22"X34"
PLOT:2/9/2023 3:37:46 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C400 - Grading Plan.dwg

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918.252.4557

CONSULTANT:
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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

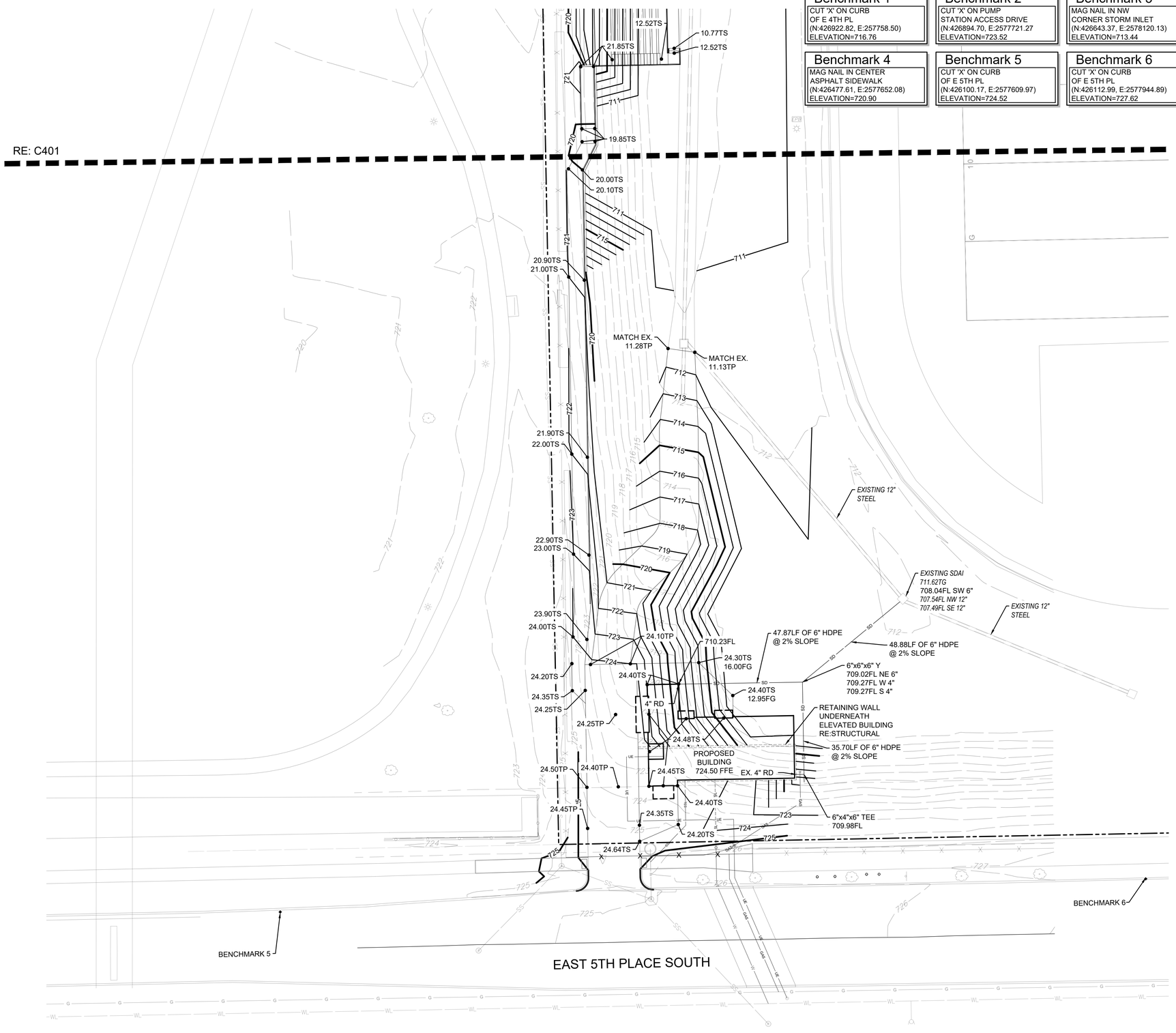
SHEET NAME
DETAILED GRADING PLAN - NORTH

JOB 2240117
ISSUE 02/09/2023
DRAWN BY: PCC
CHK'D BY: ANW

REGISTERED PROFESSIONAL ENGINEER
A. NICOLE WATTS
21511
OKLAHOMA
02/09/2023

C401

SCALE 1"=30' & 1"=20'



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NORTH

0 10' 20' 30'
Scale: 1"= 20'

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

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CA 3479 EXP. 06/30/2024

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02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME
DETAILED GRADING & STORM SEWER PLAN - SOUTH

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C402

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA
02/09/2023

SCALE 1"=20'

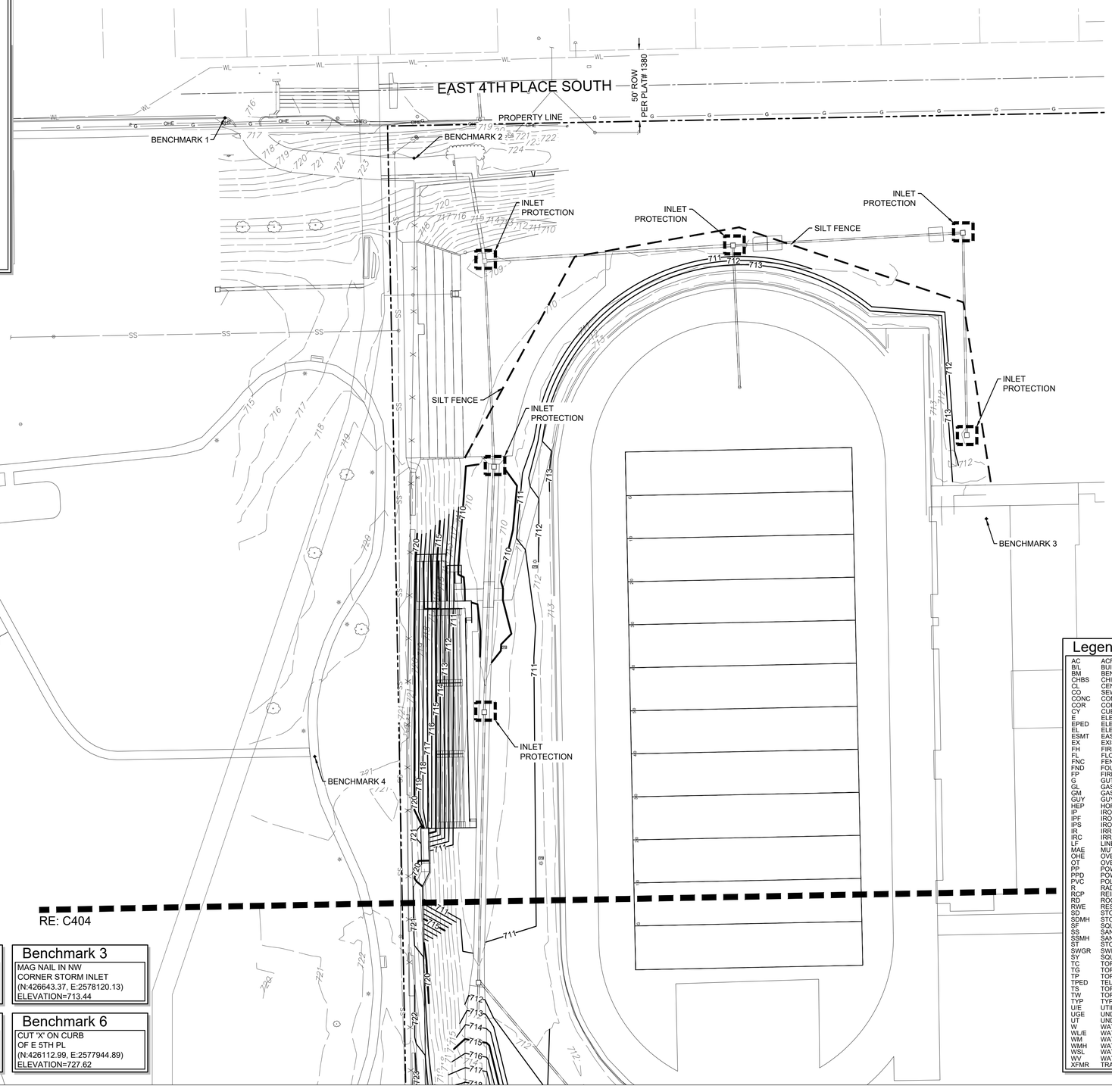
ORIG SIZE:22"X34"
PLOT:2/9/2023 3:37:50 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C400 - Grading Plan.dwg

Erosion Control Notes:

1. ALL GRADING AND EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY STANDARD CONSTRUCTION SPECIFICATIONS.
2. ALL EROSION CONTROL CONSTRUCTION SHALL BE INSPECTED BY THE ENGINEERING AND CONSTRUCTION DEPARTMENT STORMWATER INSPECTORS, IN ACCORDANCE WITH CITY POLICY.
3. EROSION CONTROL SHALL START WITH INITIAL CONSTRUCTION AND BE PRACTICED THROUGHOUT THE PROJECT.
4. SILT FENCES SHALL BE CONSTRUCTED ADJACENT TO ALL DRAINAGE-WAYS, AND IN ALL AREAS THAT WILL ERODE INTO THE STORM SEWER SYSTEM.
   a. SILT FENCE INSTALL DOWN SLOPE REQUIRES J HOOKS TO SLOW FLOW AND PREVENT UNDERCUTTING OF SILT FENCE.
5. WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR 14 DAYS, THE DISTURBED AREAS SHALL BE STABILIZED WITH SEED AND MULCH. THE SEED MIX SHALL MATCH THE MIX SPECIFIED ON THE LANDSCAPE PLANS.
6. THE CONTRACTOR SHALL RE-SEED ALL AREAS DISTURBED DURING CONSTRUCTION AND CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDED AREAS UNTIL GROWTH IS ESTABLISHED TO A UNIFORM HEIGHT OF TWO (2) INCHES.
7. THERE ARE NO OFFSITE MATERIAL, WASTE, BORROW, OR EQUIPMENT STORAGE AREAS.
8. THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE UPDATED AS NECESSARY TO REMAIN CONSISTENT WITH ANY CHANGES APPLICABLE TO PROTECT SURFACE WATER RESOURCES IN SEDIMENT EROSION SITE PLANS OR SITE PLANS OR SITE PERMITS, OR STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY STATE OR LOCAL OFFICIALS FOR WHICH THE PERMITEE RECEIVES WRITTEN NOTICE.
9. CONTRACTOR SHALL INSTALL SILT FENCE FOR PERIMETER EROSION CONTROL PRIOR TO BEGINNING GRADING.
10. INSTALL SEDIMENT BARRIERS (SILT FENCES) AROUND ALL STOCKPILE AREAS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.3)
11. INSTALL SEDIMENT CONTROL ALONG TOP OF BANKS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.5)
12. INITIATE STABILIZATION MEASURES ON PORTIONS OF THE SITE WHERE ACTIVITY HAS CEASED, ESPECIALLY ON THE PERIMETER BANKS IN ACCORDANCE WITH THE SP3 (5.1).

Erosion Control Legend

- CONCRETE CLEANOUT (RE:C801/N)
- SILT FENCE (RE:C800/H)
- INLET PROTECTION (RE:C801/J)
- STABILIZED CONSTRUCTION ENTRANCE (RE:C801/L)



NORTH

0 20' 40' 60'

Scale: 1"= 40'

Benchmark 1	Benchmark 2	Benchmark 3
CUT 'X' ON CURB OF E 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76	CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52	MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44
Benchmark 4	**Benchmark 5**	**Benchmark 6**
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02/09/2023

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REVISIONS

SHEET NAME

EROSION CONTROL PLAN - NORTH

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C403

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"=40'

ORIG SIZE:22"X34"

PLOT:2/9/2023 3:38:14 PM

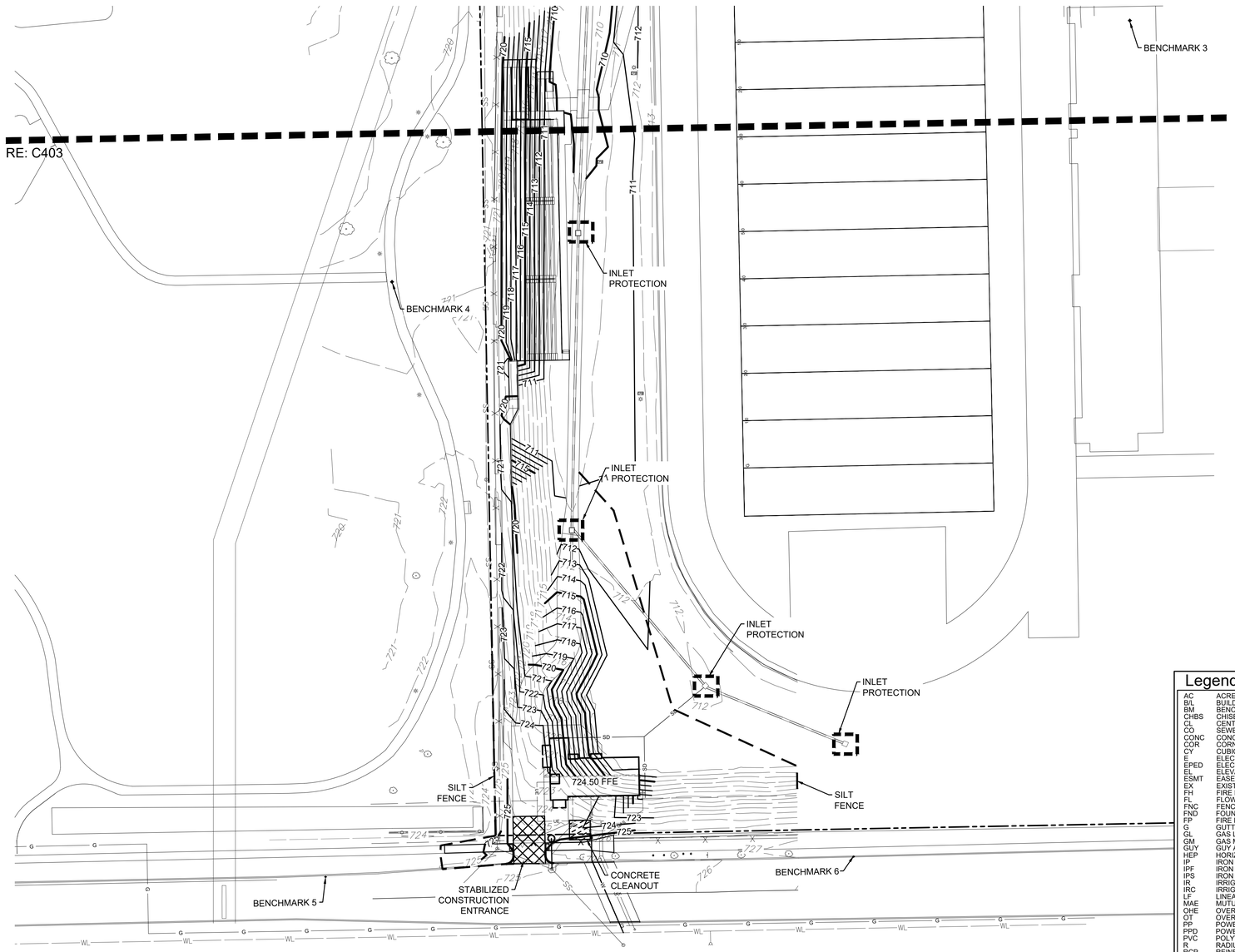
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C403 - Erosion Control Plan.dwg

Erosion Control Notes:

1. ALL GRADING AND EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY STANDARD CONSTRUCTION SPECIFICATIONS.
2. ALL EROSION CONTROL CONSTRUCTION SHALL BE INSPECTED BY THE ENGINEERING AND CONSTRUCTION DEPARTMENT STORMWATER INSPECTORS, IN ACCORDANCE WITH CITY POLICY.
3. EROSION CONTROL SHALL START WITH INITIAL CONSTRUCTION AND BE PRACTICED THROUGHOUT THE PROJECT.
4. SILT FENCES SHALL BE CONSTRUCTED ADJACENT TO ALL DRAINAGE-WAYS, AND IN ALL AREAS THAT WILL ERODE INTO THE STORM SEWER SYSTEM.
   a. SILT FENCE INSTALL DOWN SLOPE REQUIRES J HOOKS TO SLOW FLOW AND PREVENT UNDERCUTTING OF SILT FENCE.
5. WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR 14 DAYS, THE DISTURBED AREAS SHALL BE STABILIZED WITH SEED AND MULCH. THE SEED MIX SHALL MATCH THE MIX SPECIFIED ON THE LANDSCAPE PLANS.
6. THE CONTRACTOR SHALL RE-SEED ALL AREAS DISTURBED DURING CONSTRUCTION AND CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDED AREAS UNTIL GROWTH IS ESTABLISHED TO A UNIFORM HEIGHT OF TWO (2) INCHES.
7. THERE ARE NO OFFSITE MATERIAL, WASTE, BORROW, OR EQUIPMENT STORAGE AREAS.
8. THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE UPDATED AS NECESSARY TO REMAIN CONSISTENT WITH ANY CHANGES APPLICABLE TO PROTECT SURFACE WATER RESOURCES IN SEDIMENT EROSION SITE PLANS OR SITE PLANS OR SITE PERMITS, OR STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY STATE OR LOCAL OFFICIALS FOR WHICH THE PERMITEE RECEIVES WRITTEN NOTICE.
9. CONTRACTOR SHALL INSTALL SILT FENCE FOR PERIMETER EROSION CONTROL PRIOR TO BEGINNING GRADING.
10. INSTALL SEDIMENT BARRIERS (SILT FENCES) AROUND ALL STOCKPILE AREAS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.3)
11. INSTALL SEDIMENT CONTROL ALONG TOP OF BANKS IN ACCORDANCE WITH THE SP3 (2.3 AND 5.3.5)
12. INITIATE STABILIZATION MEASURES ON PORTIONS OF THE SITE WHERE ACTIVITY HAS CEASED, ESPECIALLY ON THE PERIMETER BANKS IN ACCORDANCE WITH THE SP3 (5.1).

Erosion Control Legend

- CONCRETE CLEANOUT (RE:C801/N)
- SILT FENCE (RE:C800/H)
- INLET PROTECTION (RE:C801/J)
- STABILIZED CONSTRUCTION ENTRANCE (RE:C801/L)



NORTH

0 20' 40' 60'

Scale: 1"= 40'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
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PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1
CUT 'X' ON CURB OF E 4TH PL
(N:426922.82, E:257758.50)
ELEVATION=716.76

Benchmark 2
CUT 'X' ON PUMP STATION ACCESS DRIVE
(N:426894.70, E:2577721.27
ELEVATION=723.52

Benchmark 3
MAG NAIL IN NW CORNER STORM INLET
(N:426643.37, E:2578120.13)
ELEVATION=713.44

Benchmark 4
MAG NAIL IN CENTER ASPHALT SIDEWALK
(N:426477.61, E:2577652.08)
ELEVATION=720.90

Benchmark 5
CUT 'X' ON CURB OF E 5TH PL
(N:426100.17, E:2577609.97)
ELEVATION=724.52

Benchmark 6
CUT 'X' ON CURB OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
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wallace design collective, pc
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tulsa, oklahoma 74103
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CA# 1460 EXP. DATE 6/30/2023

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TULSA, OKLAHOMA
918.252.4557

CONSULTANT:
MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

EROSION CONTROL PLAN - SOUTH

JOB	2240117
ISSUE	02/09/2023
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C404

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\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C403 - Erosion Control Plan.dwg

Floodplain Information

THE PROPERTY DESCRIBED HAS BEEN EXAMINED BY A MAP OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, TULSA, COUNTY, OKLAHOMA, MAP NO. 40143C0242L, MAP REVISED:MARCH 9. 2021, WHICH SHOWS THE ENTIRE PORTION OF THE PROPERTY DESCRIBED HEREON AS LOCATED IN ZONE (X) NOT SHADED WHICH IS CLASSIFIED AS AREAS DETERMINED TO BE OUTSIDE OF THE 500-YEAR FLOOD PLAN.

Floodplain Determination

REGULATORY FLOODPLAIN ELEVATION	720.10
CASE ID #	31159830

Floodplain Information

FEMA PANEL # 40143C0243L	EFFECTIVE DATE 10/16/2012
COT REGULATORY FLOODPLAIN PANEL 37	EFFECTIVE DATE 03/9/2021
FLOODPLAIN DETERMINATION CASE ID	31159830

Cut/Fill Quantities

CUT:	758 CY
FILL:	579 CY
NET:	179 CY

* CUT/FILL QUANTITIES ARE FOR THE CITY OF TULSA USE ONLY. QUANTITIES ARE ESTIMATED AND ARE NOT TO BE USED FOR BIDDING OR CONTRACTUAL PURPOSES.

Legend

- REGULATORY FLOODPLAIN ELEVATION BOUNDARY
- CUT
- FILL

NORTH

0 25' 50' 75'

Scale: 1"= 50'

Legend

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B/L	BUILDING LINE
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Benchmark 6
CUT 'X' ON CURB
OF E 5TH PL
(N:426112.99, E:2577944.89)
ELEVATION=727.62

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REVISIONS

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COMPENSATORY PLAN

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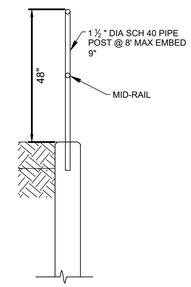
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C404 - Compensatory Storage Plan.dwg

RETAINING WALL

STATION	TW (TOP OF WALL)/ BOC (BACK OF CURB)	TS (TOP OF SIDEWALK)	GR (GROUND)	TF (TOP OF FOOTING)	BF (BOTTOM OF FOOTING)
0+00.00	720.83	720.83	719.75	715.00	713.50
0+14.51	720.52	720.52	716.47	715.00 / 712.18	713.50 / 710.68
0+27.13	720.26	720.26	713.62	712.18 / 709.35	710.68 / 707.85
0+39.74	720.00	720.00	710.85	709.35	707.85
0+50.00	719.86	719.86	710.85	709.35	707.85
0+50.34	719.85	719.85	710.85	709.35	707.85
0+65.93	720.85	720.85	711.25	709.35 / 712.18	707.85 / 710.68
0+81.51	721.85	721.85	716.50	712.18 / 715.00	710.68 / 713.50
0+87.98	721.85	721.85	721.85	715.00	713.50



HANDRAIL

E Handrail Detail
Scale: NONE

Benchmark 1	Benchmark 2	Benchmark 3
CUT 'X' ON CURB OF E 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76	CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52	MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44
Benchmark 4	**Benchmark 5**	**Benchmark 6**
MAG NAIL IN CENTER ASPHALT SIDEWALK (N:426477.61, E:2577652.08) ELEVATION=720.90	CUT 'X' ON CURB OF E 5TH PL (N:426100.17, E:2577609.97) ELEVATION=724.52	CUT 'X' ON CURB OF E 5TH PL (N:426112.99, E:2577944.89) ELEVATION=727.62

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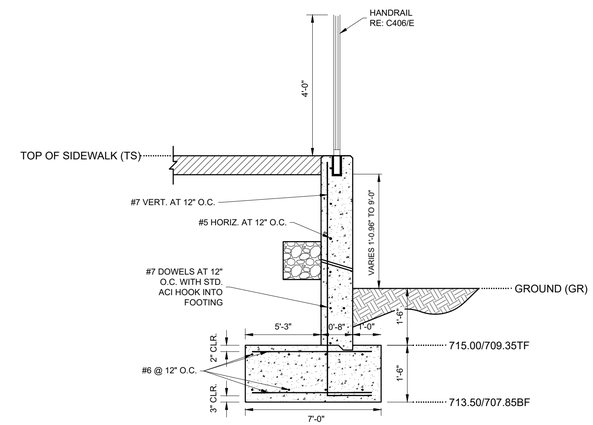
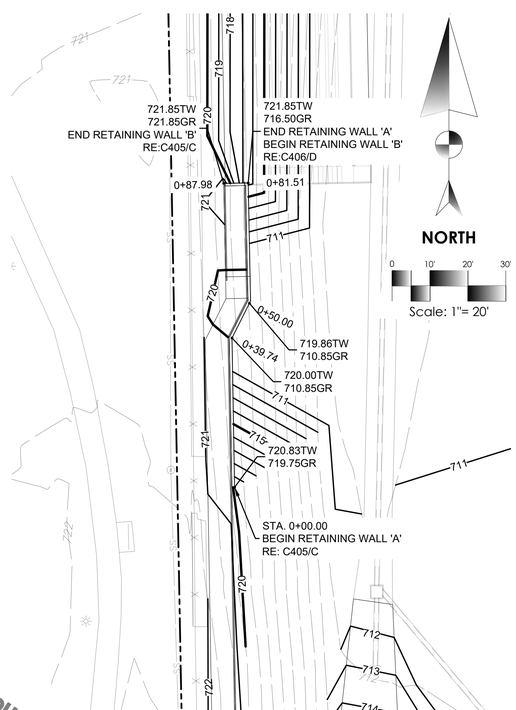
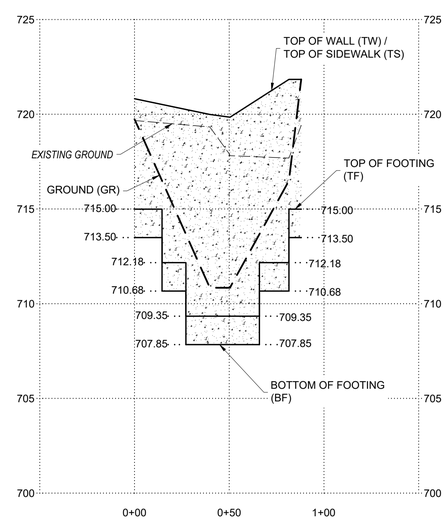


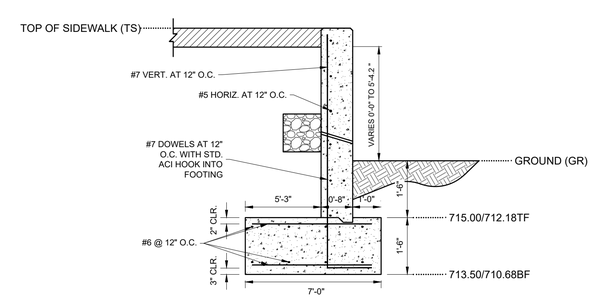
C Retaining Wall - Section A
Scale: NONE



A Retaining Wall - Plan
Scale: 1" = 20'



B Retaining Wall - Profile
Scale: 1" = 40' (H) / 1" = 10' (V)



D Retaining Wall - Section B
Scale: NONE

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REVISIONS

SHEET NAME

RETAINING WALL PROFILE & SECTIONS

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C406

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\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C406 - Retaining Wall Plan.dwg

Paving Notes

1. THE PAVING CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING AND CONSTRUCTION DEPARTMENT AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
2. ALL UTILITY CONSTRUCTION (WATER, SEWER, AND STORM WATER) SHALL BE COMPLETED PRIOR TO SUBGRADE PREPARATION.
3. SUBGRADE SHALL BE FREE OF ALL ORGANIC MATTER, TREATED, AND COMPACTED ACCORDING TO THE PLANS AND SPECIFICATIONS.
4. SUBGRADE STABILIZATION SHALL BE AT THE DIRECTION OF THE ENGINEER, OR AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
5. PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UNACCEPTABLE SUBGRADE AT ALL UTILITY, CABLE OR CONDUIT CROSSINGS.
6. PAVING CONTRACTOR SHALL INSPECT SUBGRADE PRIOR TO COMMENCING WORK; AND, SHALL REPAIR AREAS WHERE GRADE VARIES MORE THAN 0.1 FEET, WHERE DENSITY IS LESS THAN 95% STANDARD PROCTOR OR WHERE SUBGRADE DRAINAGE IS INADEQUATE, AT THE UNIT PRICE BID FOR FINE GRADING IN THE PROPOSAL. SUBGRADE MODIFICATIONS, WHERE REQUIRED, SHALL NOT COMMENCE UNTIL SUBGRADE REPAIRS HAVE BEEN ACCEPTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
7. SEQUENCE OF CONSTRUCTION FOR STABILIZED SUBGRADES SHALL BE BLUE TOP AND FINE GRADE, LIME OR FLY ASH TREAT AND STABILIZE, AND THEN FINAL FINE GRADING.
8. COMPACTION TESTS SHALL BE TAKEN A MINIMUM OF ONCE EVERY 4,500 SQUARE FEET FOR EACH EIGHT (8) INCH LIFT OF MATERIAL.
9. SUBGRADES SHALL BE PROOFROLLED IF THE STABILITY OF THE MATERIAL IS QUESTIONED. ALSO, THE SUBGRADE EXPOSED AFTER STRIPPING AND COMPLETING ANY CUTS SHALL BE PROOFROLLED ACCORDING TO THE GEOTECHNICAL REPORT.
10. PORTLAND CEMENT CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,500 PSI, A SLUMP OF NOT MORE THAN 3", AND SHALL CONTAIN SIX PERCENT (6%) AIR + OR - 1%.
11. ASPHALTIC CONCRETE SHALL HAVE DENSITY OF NOT LESS THAN 94% AND NOT MORE THAN 96%, AND HAVE STABILITY OF NOT LESS THAN 40%.
12. THE CONTRACTOR SHALL FURNISH THE FOLLOWING TESTING SERVICES BY A REPUTABLE INDEPENDENT TESTING LABORATORY APPROVED BY THE OWNER'S REPRESENTATIVE:
    - 12.1 FIELD DENSITY TESTS OF EMBANKMENT, SUBGRADE, OR BASE, AT LOCATIONS SPECIFIED BY THE INSPECTOR.
    - 12.2 PLASTICITY TESTS OF THE SUBGRADE AT LOCATIONS SPECIFIED BY THE ENGINEER.
    - 12.3 MOISTURE DENSITY CURVES FOR MATERIAL TO BE USED FOR EMBANKMENT OR SUBGRADE CONSTRUCTION.
    - 12.4 MIX DESIGNS FOR PORTLAND CEMENT CONCRETE AND ASPHALTIC CONCRETE.
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Hatch Legend

- CONCRETE SIDEWALK (RE:C800/C)
- HEAVY-DUTY CONCRETE PAVEMENT (RE:C800/A)
- CONCRETE SIDEWALK UNDERNEATH BLEACHERS / RAISED PLATFORM (RE:C800/C)

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
E	ELECTRIC METER
EPED	ELECTRIC PEDESTAL
EL	ELEVATION
ESMT	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE (INVERT)
FNC	FENCE
FND	FOUND
FP	FIRE PROTECTION
G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
MAE	MUTUAL ACCESS EASEMENT
OHE	OVERHEAD ELECTRIC
OT	OVERHEAD TELEPHONE
PP	POWER POLE
PPD	POWER POLE WITH DIP
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RWE	RESTRICTED WATERLINE EASEMENT
SD	STORM SEWER PIPE
SDMH	STORM SEWER MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
WM	WATER METER
WMH	WATER MANHOLE
WSL	WATER SERVICE LINE
WV	WATER VALVE
XFMR	TRANSFORMER

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

Benchmark 1	Benchmark 2	Benchmark 3
CUT 'X' ON CURB OF E 4TH PL (N:426922.82, E:257758.50) ELEVATION=716.76	CUT 'X' ON PUMP STATION ACCESS DRIVE (N:426894.70, E:2577721.27 ELEVATION=723.52	MAG NAIL IN NW CORNER STORM INLET (N:426643.37, E:2578120.13) ELEVATION=713.44

Benchmark 4	Benchmark 5	Benchmark 6
MAG NAIL IN CENTER ASPHALT SIDEWALK (N:426477.61, E:2577652.08) ELEVATION=720.90	CUT 'X' ON CURB OF E 5TH PL (N:426100.17, E:2577609.97) ELEVATION=724.52	CUT 'X' ON CURB OF E 5TH PL (N:426112.99, E:2577944.89) ELEVATION=727.62

REED ARCHITECTURE & INTERIORS
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Sapulpa, OK 74066
918.884.6007
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8128 EAST 63rd STREET
TULSA, OKLAHOMA
918.252.4557

CONSULTANT:
MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

PAVING PLAN - NORTH

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

C600

SCALE 1"=30'

ORIG SIZE:22"X34"
PLOT:2/9/2023 3:39:38 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C700 - Paving Plan.dwg

Paving Notes

1. THE PAVING CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING AND CONSTRUCTION DEPARTMENT AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
2. ALL UTILITY CONSTRUCTION (WATER, SEWER, AND STORM WATER) SHALL BE COMPLETED PRIOR TO SUBGRADE PREPARATION.
3. SUBGRADE SHALL BE FREE OF ALL ORGANIC MATTER, TREATED, AND COMPACTED ACCORDING TO THE PLANS AND SPECIFICATIONS.
4. SUBGRADE STABILIZATION SHALL BE AT THE DIRECTION OF THE ENGINEER, OR AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
5. PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UNACCEPTABLE SUBGRADE AT ALL UTILITY, CABLE OR CONDUIT CROSSINGS.
6. PAVING CONTRACTOR SHALL INSPECT SUBGRADE PRIOR TO COMMENCING WORK; AND, SHALL REPAIR AREAS WHERE GRADE VARIES MORE THAN 0.1 FEET, WHERE DENSITY IS LESS THAN 95% STANDARD PROCTOR OR WHERE SUBGRADE DRAINAGE IS INADEQUATE, AT THE UNIT PRICE BID FOR FINE GRADING IN THE PROPOSAL. SUBGRADE MODIFICATIONS, WHERE REQUIRED, SHALL NOT COMMENCE UNTIL SUBGRADE REPAIRS HAVE BEEN ACCEPTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
7. SEQUENCE OF CONSTRUCTION FOR STABILIZED SUBGRADES SHALL BE BLUE TOP AND FINE GRADE, LIME OR FLY ASH TREAT AND STABILIZE, AND THEN FINAL FINE GRADING.
8. COMPACTION TESTS SHALL BE TAKEN A MINIMUM OF ONCE EVERY 4,500 SQUARE FEET FOR EACH EIGHT (8) INCH LIFT OF MATERIAL.
9. SUBGRADES SHALL BE PROOFROLLED IF THE STABILITY OF THE MATERIAL IS QUESTIONED. ALSO, THE SUBGRADE EXPOSED AFTER STRIPPING AND COMPLETING ANY CUTS SHALL BE PROOFROLLED ACCORDING TO THE GEOTECHNICAL REPORT.
10. PORTLAND CEMENT CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,500 PSI, A SLUMP OF NOT MORE THAN 3", AND SHALL CONTAIN SIX PERCENT (6%) AIR + OR - 1%.
11. ASPHALTIC CONCRETE SHALL HAVE DENSITY OF NOT LESS THAN 94% AND NOT MORE THAN 96%, AND HAVE STABILITY OF NOT LESS THAN 40%.
12. THE CONTRACTOR SHALL FURNISH THE FOLLOWING TESTING SERVICES BY A REPUTABLE INDEPENDENT TESTING LABORATORY APPROVED BY THE OWNER'S REPRESENTATIVE:
    - 12.1 FIELD DENSITY TESTS OF EMBANKMENT, SUBGRADE, OR BASE, AT LOCATIONS SPECIFIED BY THE INSPECTOR.
    - 12.2 PLASTICITY TESTS OF THE SUBGRADE AT LOCATIONS SPECIFIED BY THE ENGINEER.
    - 12.3 MOISTURE DENSITY CURVES FOR MATERIAL TO BE USED FOR EMBANKMENT OR SUBGRADE CONSTRUCTION.
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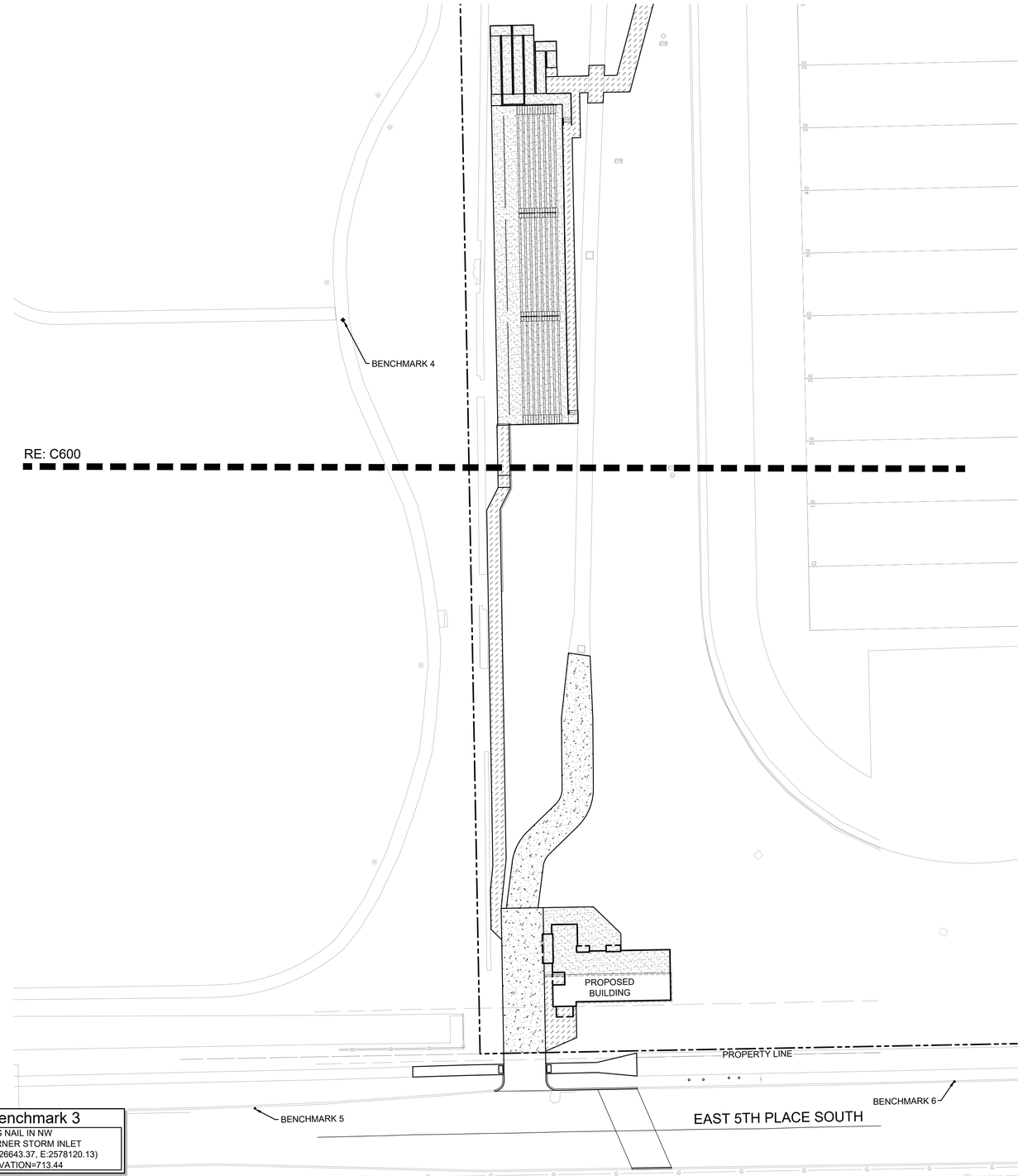

NORTH

0 1.5' 30' 45'

Scale: 1"= 30'

Legend

AC	ACRE
B/L	BUILDING LINE
BM	BENCH MARK
CHBS	CHISELED BOX, SET
CL	CENTERLINE
CO	SEWER CLEAN-OUT
CONC	CONCRETE
COR	CORNER
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ESMT	EASEMENT
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G	GUTTER
GL	GAS LINE
GM	GAS METER
GUY	GUY ANCHOR
HEP	HORIZONTAL ELLIPTICAL PIPE
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
IR	IRRIGATION
IRC	IRRIGATION CONDUIT
LF	LINEAR FEET
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SS	SANITARY SEWER PIPE
SSMH	SANITARY SEWER MANHOLE
ST	STORM SEWER
SWGR	SWITCHGEAR
SY	SQUARE YARD
TC	TOP OF CURB
TG	TOP OF GUTTER
TP	TOP OF PAVING
TPED	TELEPHONE PEDESTAL
TS	TOP OF SIDEWALK
TW	TOP OF WALL
TYP	TYPICAL
U/E	UTILITY EASEMENT
UGE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
W	WATER LINE
WL/E	WATER LINE EASEMENT
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REVISIONS

SHEET NAME

PAVING PLAN - SOUTH

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

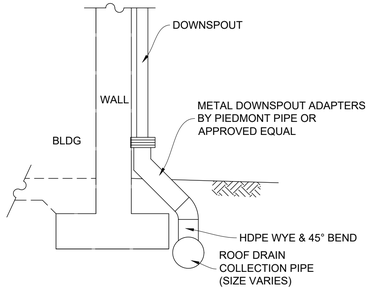
C601

SCALE 1" = 30'

ORIG SIZE:22"X34"

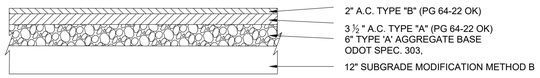
PLOT:2/9/2023 3:39:45 PM

\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C700 - Paving Plan.dwg



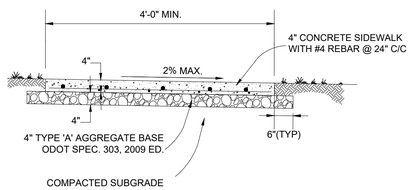
A Downspout Adapter Detail

Scale: NONE



B Heavy Duty Asphalt Pavement Typical

Scale: NONE



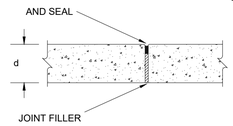
MAXIMUM SPACING FOR EXPANSION JOINTS SHALL BE 40 FEET.

CONCRETE FOR SIDEWALK SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR-ENTRAINED AT SIX PERCENT (6%) ±1%.

CONCRETE SIDEWALK THROUGH DRIVEWAY MUST BE MIN. 6" THICK

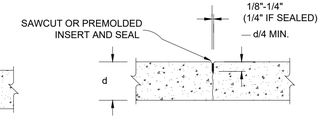
C Concrete Sidewalk Detail

Scale: NONE



PLAIN ISOLATION JOINT

40' MAX. INTERVALS AND ABUTTING RIGID STRUCTURE(S)

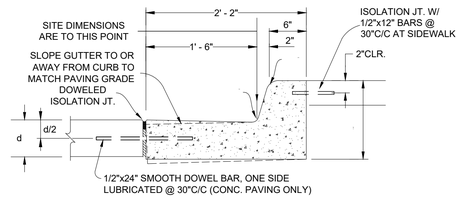


UNDOWELED CONTRACTION JOINT

5'-0' INTERVALS

D Sidewalk Joint Details

Scale: NONE



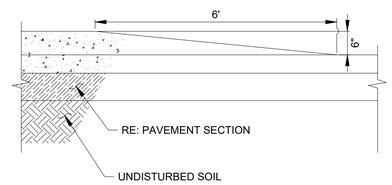
BARRIER TYPE

NOTE: SAWCUT CONTRACTION JOINTS AT 15 FT. MAX SPACING. CONSTRUCT DOWELED ISOLATION JOINTS AT ALL POINTS OF CURVE NOT TO EXCEED 90 FT. MAX. SPACING.

CONCRETE FOR CURB & GUTTER SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR-ENTRAINED AT SIX PERCENT (6%) ±1%.

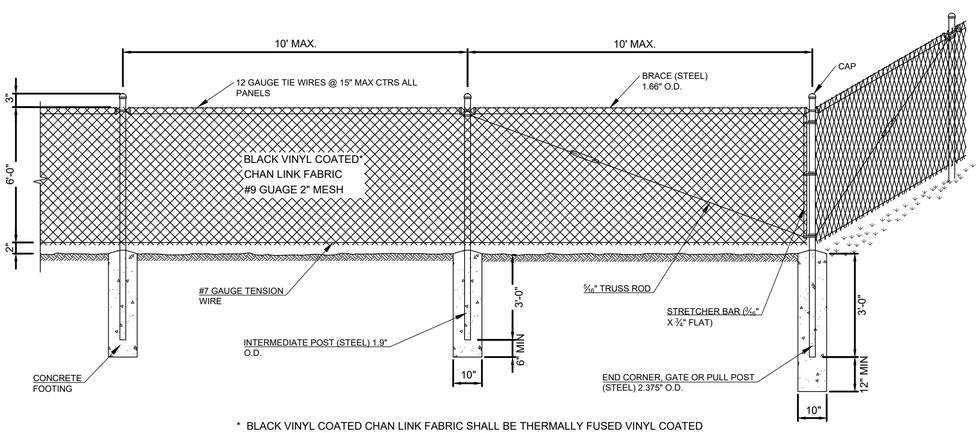
E Integral Concrete Curb & Gutter

Scale: NONE



F Curb Termination

Scale: NONE

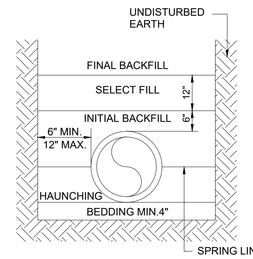


* BLACK VINYL COATED CHAN LINK FABRIC SHALL BE THERMALLY FUSED VINYL COATED IN ACCORDANCE WITH ASTM F-668, TYPE 2B. CHAN LINK FENCE SHLL BE GALVANIZED IN ACCORDANCE WITH ASTM A-641-71A.

** CONTRACTOR TO VERIFY HEIGHT & MATCH EXISTING SITE CONDITIONS

I Vinyl Chain Link Fence

Scale: NONE



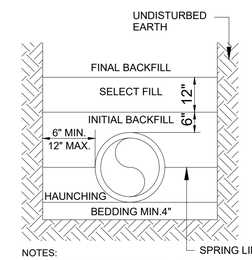
NON-PAVED AREAS		
P V C	DUCTILE IRON	CONCRETE
EXCAVATED MATERIAL	EXCAVATED MATERIAL	EXCAVATED MATERIAL
SELECT FILL	SELECT FILL	SELECT FILL
SELECT FILL	SELECT FILL	SELECT FILL
SELECT FILL	SELECT FILL	SELECT FILL
CLEAN SOIL NO ROCK LARGER THAN 3/8"		

PAVED AREAS		
P V C	DUCTILE IRON	CONCRETE
CRUSHED ROCK	CRUSHED ROCK	CRUSHED ROCK
CRUSHED ROCK	CRUSHED ROCK	CRUSHED ROCK
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS

NOTES:
1. SELECT FILL CONSISTS OF EXCAVATED MATERIALS CONTAINING NO ROCKS LARGER THAN 2 INCHES.
2. CRUSHED ROCK SHALL BE ODOT TYPE A BASE
3. BEDDING REQUIRED ONLY FOR ROCK EXCAVATION.
4. COMPACTION REQUIREMENTS:
   a. NON- PAVED AREAS: 90% MAXIMUM STANDARD PROCTOR DENSITY FOR COHESIONLESS SOILS AND 85% FOR COHESIVE SOILS.
   b. PAVED AREAS: 95% MAXIMUM STANDARD PROCTOR DENSITY FOR COHESIONLESS SOILS.
5. FILLS OVER 10 FEET DEEP - MATERIAL IN THE AREA FROM SELECT FILL TO BEDDING SHALL BE 3/4" CRUSHER RUN WELL GRADED.
6. FLOWABLE FILL MAY BE SUBSTITUTED FOR ALL MATERIALS IN ROAD CROSSING. 7 PAVED AREA INCLUDES 2' BEHIND CURB.

G Waterline Pipe Bedding Detail

Scale: NONE



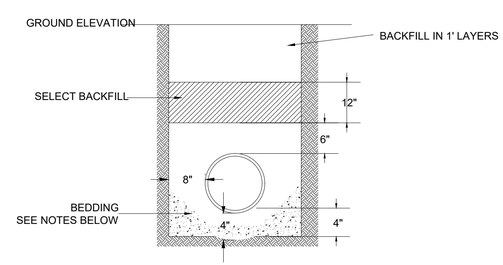
NON-PAVED AREAS		
P V C	DUCTILE IRON	CONCRETE
EXCAVATED MATERIAL	EXCAVATED MATERIAL	EXCAVATED MATERIAL
SELECT FILL	SELECT FILL	SELECT FILL
SAND	SAND	SAND
SAND	SAND	SAND
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS

PAVED AREAS		
P V C	DUCTILE IRON	CONCRETE
CRUSHED ROCK	CRUSHED ROCK	CRUSHED ROCK
CRUSHED ROCK	CRUSHED ROCK	CRUSHED ROCK
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS
3/8" CHIPS	3/8" CHIPS	3/8" CHIPS

NOTES:
1. SELECT FILL CONSISTS OF EXCAVATED MATERIALS CONTAINING NO ROCKS LARGER THAN 2 INCHES.
2. CRUSHED ROCK SHALL BE ODOT TYPE A ROCK.
3. BEDDING REQUIRED FOR ALL SANITARY SEWER REPLACEMENT PROJECTS IN ROCK EXCAVATION AND FOR LEVELING TRENCH IN NEW INSTALLATION.
4. COMPACTION REQUIREMENTS:
   a. NON-PAVED AREAS: 90% MAXIMUM STANDARD PROCTOR DENSITY FOR COHESIONLESS SOILS AND 85% FOR COHESIVE SOILS.
   b. PAVED AREAS: 95% MAXIMUM STANDARD PROCTOR DENSITY FOR COHESIONLESS SOILS.
5. FILLS OVER 10 FEET DEEP - MATERIAL IN THE AREA FROM SELECT FILL TO BEDDING SHALL BE 3/4" CRUSHER RUN, WELL GRADED.
6. FLOWABLE FILL MAY BE SUBSTITUTED FOR ALL MATERIALS IN ROAD CROSSING.

H Sanitary Sewer Pipe Bedding Detail

Scale: NONE



NOTE:
1. BEDDING SHALL BE SAND, COMPACTED TO 95% STANDARD PROCTOR DENSITY BY MAPING AND VIBRATING. COMPACTION SHALL BE FIELD TESTED BY INDEPENDENT LABORATORY TO INSURE 95% PROCTOR DENSITY. CONTRACTOR SHALL BEAR ALL COST OF TESTING.
2. AS AN ALTERNATIVE, BEDDING MAY BE A CLEAN CRUSHED STONE, ¼" TO ½", (GRAD. #7). THE CRUSHED STONE SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 12 INCHES IN THICKNESS, AND THEN COMPACTED. COMPACTION PROCEDURE AND RESULTS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
3. FOR THE PAVED AREAS, SEE STANDARD DETAIL FOR PAVEMENT REMOVAL AND REPLACEMENT.
4. COMPACTION SHALL BE 95% STANDARD PROCTOR DENSITY PER AASHTO T-99 IN 8" LIFTS.

J Pipe Bedding for HDPE Pipe

Scale: NONE

REED ARCHITECTURE & INTERIORS
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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SHEET NAME

DETAILS

JOB	2240117
ISSUE	02/09/2023
DRAWN BY:	PCC
CHK'D BY:	ANW

C800

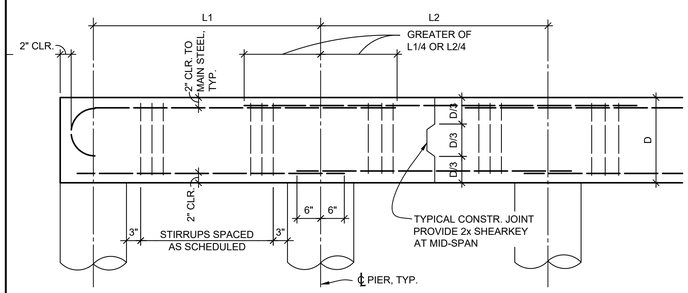
REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 21511 OKLAHOMA 02/09/2023

SCALE 1"= NTS

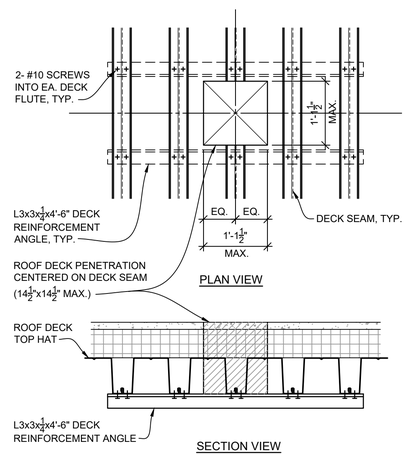
ORIG SIZE:22"X34"
PLOT:2/9/2023 3:40:02 PM
\\civil-server\projects\2240117 Will Rogers Visitor Bleachers\2240117.01 Relocted Will Rogers Visitor Bleachers\Dwg\PRODUCTION\C800 - Details.dwg

GRADE BEAM SCHEDULE

MARK	SIZE	REINFORCING	STIRRUPS			
			SIZE	LGTH.	TYPE	SPACING
GB1	18x24	2- #5 TOP 2- #5 BOTT	#3	5-5		@ 18" O.C.
GB2	18x24	2- #6 TOP 2- #8 BOTT	#3	5-5		10 @ 9" O.C., EA. END BAL. @ 18" O.C.
GB3	18x24	2- #5 TOP 2- #6 BOTT	#3	5-5		@ 18" O.C.
GB4	18x24	2- #5 TOP 2- #8 BOTT	#3	5-5		5 @ 9" O.C., EA. END BAL. @ 18" O.C.
GB5	18x46	2- #5 TOP 2- #6 BOTT	#3	9-1		@ 18" O.C.
GB6	24x24	2- #5 TOP 2- #5 BOTT	#3	5-11		@ 18" O.C.



1 CONTINUOUS GRADE BEAM REINFORCEMENT DIAGRAM
NO SCALE



ROOF DECK PENETRATION REINFORCEMENT
2 NO SCALE

COLUMN AND PIER SCHEDULE

MARK	C1 P1	C2 P2	C3 P3	C4 P4	C5 P5	C6 P6	C7 P7	-- P8	-- P9
SUPPORTING ROOF	HSS4x4x5/16 w/ 10x3/8x0'-10" BASE PL w/ 4- 7/8"Ø A.B.	HSS4x4x5/16	HSS4x4x5/16	HSS4x4x5/16 w/ 10x3/8x0'-10" BASE PL w/ 4- 3/4"Ø A.B.	--	HSS4x4x1/4	HSS3x3x1/4 w/ 10x3/8x0'-10" BASE PL w/ 4- 3/4"Ø A.B.	--	--
SUPPORTING 1ST FLOOR	--	HSS4x4x5/16 w/ 10x3/8x0'-10" BASE PL w/ 4- 3/4"Ø A.B.	HSS4x4x5/16 w/ 10x3/8x0'-10" BASE PL w/ 4- 3/4"Ø A.B.	--	HSS5x5x1/4 w/ 12x3/8x1'-0" BASE PL w/ 4- 3/4"Ø A.B.	HSS4x4x1/4 w/ 10x3/8x0'-10" BASE PL w/ 4- 3/4"Ø A.B.	--	--	--
PIER	18"Ø 4- #6 V. w/ #3 T. @ 12" O.C.	18"Ø 4- #6 VERT. w/ #3 T. @ 12" O.C.	24"Ø 6- #6 VERT. w/ #3 T. @ 12" O.C.	30"Ø 6- #7 VERT. w/ #3 T. @ 14" O.C.	18"Ø 4- #6 VERT. w/ #3 T. @ 12" O.C.	18"Ø 4- #6 VERT. w/ #3 T. @ 12" O.C.	18"Ø 4- #6 VERT. w/ #3 T. @ 12" O.C.	18"Ø 4- #6 VERT. w/ #3 T. @ 12" O.C.	24"Ø 6- #6 VERT. w/ #3 T. @ 12" O.C.
FOOTING	18"Ø	18"Ø	24"Ø	30"Ø	18"Ø	18"Ø	18"Ø	18"Ø	24"Ø
BOTTOM OF PIER ELEVATION	BOTTOM OF PIER TO EXTEND A MINIMUM OF INTO THE . SOILS REPORT INDICATED THIS MATERIAL TO BE LOCATED APPROX. BELOW EXISTING GRADE. USE OF CASINGS TO BE DEPENDENT ON ACTUAL GROUND WATER CONDITIONS ENCOUNTERED AT THE TIME THE PIERS ARE CONSTRUCTED. VERIFY IN THE FIELD AND ADJUST AS REQUIRED.								

DESIGN CRITERIA

GOVERNING CODE	2015 INTERNATIONAL BUILDING CODE
BUILDING RISK CATEGORY	CATEGORY II
SNOW LOADS	
GROUND SNOW LOAD (P_g)	10 PSF
FLAT ROOF SNOW LOAD (P_f)	10 PSF
SNOW EXPOSURE FACTOR (C_e)	1.0
SNOW LOAD IMPORTANCE FACTOR (I_s)	1.0
THERMAL FACTOR (C_t)	1.0
WIND LOADS	
WIND IMPORTANCE FACTOR	1.0
BASIC ULTIMATE WIND SPEED (V_{ult})	115 MPH
SITE EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	±0.18
SEISMIC LOADS	
SEISMIC IMPORTANCE FACTOR	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION (S_s)	0.129
MAPPED SPECTRAL RESPONSE ACCELERATION (S_1)	0.072
SEISMIC SITE CLASS	C
DESIGN SPECTRAL RESPONSE ACCELERATION (S_{ds})	0.112
DESIGN SPECTRAL RESPONSE ACCELERATION (S_{d1})	0.072
SEISMIC DESIGN CATEGORY	B
RESPONSE MODIFICATION COEFFICIENT (R)	3.25
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
BASIC SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAMED WOOD CONSTRUCTION WITH WOOD PANELS RATED FOR SHEAR RESISTANCE
RAIN LOADS	
60 MIN. DURATION	3.75 IN./HR.
5 MIN. DURATION	10.2IN./HR.
SPECIAL LOADS	
INTERIOR WALLS & PARTITIONS	5 PSF HORIZONTAL
HANDRAIL LOADS (ANY DIRECTION)	50 PLF / 200# CONCENTRATED
GEOTECHNICAL	
GEOTECHNICAL ENGINEER	TERRACON CONSULTANTS, INC.
REFERENCE REPORT I.D. OR NUMBER	23205127
REFERENCE REPORT DATE	12/03/2020
ALLOWABLE DESIGN BEARING PRESSURE	2,500 PSF

SPECIAL INSPECTIONS

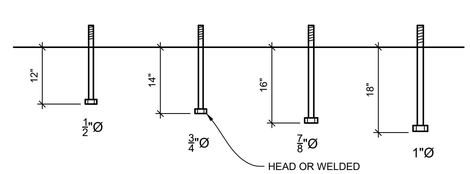
REQUIRED SPECIAL INSPECTIONS AND TESTS FOR SOILS		
TYPE	CONTINUOUS	PERIODIC
1. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
2. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
3. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
4. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X
5. PIER FOUNDATIONS:		
A. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.	X	---
B. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY.	X	---

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION		
TYPE	CONTINUOUS	PERIODIC
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	---	X
2. INSPECT ANCHORS CAST IN CONCRETE.	---	X
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	---
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 3A.	---	X
4. VERIFY USE OF REQUIRED DESIGN MIX.	---	X
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
6. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X

REQUIRED SPECIAL INSPECTIONS OF FABRICATED STEEL		
TYPE	CONTINUOUS	PERIODIC
1. AT THE COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING CODE OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.	X	---

REQUIRED SPECIAL INSPECTIONS OF STEEL CONSTRUCTION		
TYPE	CONTINUOUS	PERIODIC
1. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLINCE WITH APPROVED CONSTRUCTION DOCUMENTS.	X	---
A. DETAILS SUCH AS BRACING AND STIFFENING	---	X
B. MEMBER LOCATIONS	---	X
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	---	X
2. INSPECTION TASKS PRIOR TO BOLTING:		
A. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH, IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)		
B. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.		
3. INSPECTION TASKS DURING BOLTING:		
A. FASTENERS ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.		
4. INSPECTION TASKS AFTER BOLTING:		
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.		

IN ACCORDANCE WITH CHAPTER 17 OF THE REFERENCE BUILDING CODE, THE OWNER SHALL EMPLOY INSPECTION AGENCIES TO PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION INCLUDING INSPECTIONS OF SHOP-FABRICATED ITEMS WHEN APPLICABLE. ALL INSPECTION AGENCIES, INCLUDING FABRICATION FACILITIES, WHEN REQUIRED, SHALL BE QUALIFIED AND APPROVED BY THE BUILDING OFFICIAL. REFER TO OTHER DISCIPLINES FOR SPECIAL INSPECTIONS OF NON-STRUCTURAL SYSTEMS.



3 ANCHOR BOLT DIAGRAM
NO SCALE

GENERAL STRUCTURAL NOTES

FOUNDATIONS

1. FOOTING DESIGNS ARE BASED UPON A SANDSTONE BEARING VALUE OF 20,000 POUNDS PER SQUARE FOOT PER AIMRIGHT TESTING AND ENGINEERING, PROJECT #12071122 REPORT DATED DEC. 2, 2022.
2. REINFORCING STEEL TO MEET A.S.T.M. SPECIFICATION A-615, LATEST REVISION, GR 60.
3. ANCHOR BOLTS TO BE ASTM F1554, GRADE 55. PROVIDE DOUBLE NUTS FOR ALL STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION. PROVIDE MIN. 1½" NON-SHRINK GROUT UNDER PLATE AFTER ERECTION. ANCHOR BOLT LENGTHS LISTED ARE EMBEDMENT LENGTHS.
4. PROVIDE 6 x 6 - W1.4 x W1.4 WELDED WIRE FABRIC FOR ALL CONCRETE SLABS ON GRADE UNLESS OTHERWISE NOTED. PLACE WIRE MESH IN UPPER 1/3 OF CONCRETE SLAB.
5. ALL WALLS SHALL HAVE ADEQUATE TEMPORARY BRACING BEFORE BACKFILL IS PLACED AGAINST WALLS. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED.
6. PROVIDE 4- #5 x 4'-0" DOWELS FROM PIERS INTO GRADE BEAMS UNLESS OTHERWISE NOTED.
7. C.J. INDICATES 1¼" DEEP SAW CUT CONTROL JOINT OR KEYED CONSTRUCTION JOINT.
8. PROVIDE CORNER BARS FOR ALL CONTINUOUS HORIZONTAL REINFORCING.
9. GRADE BEAM REINFORCING IS DETAILED ASSUMING THE USE OF WOOD SIDE FORMS. SIDE FORMS MAY BE OMITTED, AND CONCRETE MAY BE PLACED DIRECTLY AGAINST EXCAVATION, ONLY WHEN REQUESTED BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT. WHEN OMISSION OF FORMS IS ACCEPTED, CONTRACTOR SHALL RE-DETAIL REINFORCING OR ADD WIDTH TO SECTION TO PROVIDE 3" CONCRETE COVER TO REINFORCING ON EACH SIDE.

CONCRETE

1. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 LBS./SQ. INCH AT END OF 28 DAYS. ALL EXTERIOR FLATWORK TO BE 3500 LBS./SQ. INCH AND HAVE AN AIR-ENTRAINING ADMIXTURE.
2. PROVIDE #3 Z-BAR SPACERS AT 24 INCHES ON CENTER EACH WAY FOR ALL CONCRETE WALLS HAVING REINFORCING STEEL IN BOTH FACES.

STEEL

1. STRUCTURAL STEEL TO MEET A.S.T.M. SPECIFICATION A-992, LATEST REVISION.
2. ALL COLUMN TO BEAM AND BEAM TO BEAM CONNECTIONS TO BE ERECTED WITH A.S.T.M. A-325 HIGH STRENGTH BOLTS. ALL OTHER CONNECTIONS MAY BE ERECTED WITH STANDARD MACHINE BOLTS.
3. ALL EXPOSED STEEL TO BE GALVANIZED.
4. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS THAT ARE NOT FULLY DETAILED ON THESE DRAWINGS. BEAM CONNECTIONS SHALL BE DESIGNED TO RESIST ONE HALF THE TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF GIVEN SHAPE AND SPAN IN ADDITION TO ANY AXIAL FORCE NOTED ON THE PLANS IN ACCORDANCE WITH THE LATEST AISC SPECIFICATION.

LIGHT GAUGE

1. LIGHT GAUGE STEEL MEMBERS ARE TO BE DEPTH AND GAUGE NOTED ON DRAWINGS.
2. YIELD STRESS (FY) FOR 18 AND 20 GAUGE MATERIAL IS TO BE MINIMUM 33,000 PSI. YIELD STRESS FOR 16 GAUGE AND HEAVIER IS TO BE MINIMUM 50,000 PSI.
3. WALL STUDS ARE TO ALIGN WITH FLOOR, ROOF, AND CEILING JOISTS UNLESS NOTED OTHERWISE.
4. TRACK IS TO MATCH GAUGE OF ADJACENT MATERIAL (I.E. STUDS) UNLESS NOTED OTHERWISE. ALL TRACK IS TO HAVE A MINIMUM YIELD STRESS OF 33,000 PSI.
5. PUNCHED WEBS ARE ACCEPTABLE, PER DIETRICH STANDARD; HOWEVER, 10 INCHES MINIMUM OF UNPUNCHED MATERIAL IS REQUIRED AT BOTH ENDS OF ALL MEMBERS. IF PUNCHES OCCUR AT FASTENER LOCATIONS, REINFORCE WITH MATERIAL OF SAME GAUGE AND YIELD STRESS AS PUNCHED MEMBER.
6. STUDS MUST BE SEATED SQUARELY IN WEB OF BOTTOM TRACK, WITH BOTH FLANGES FASTENED TO TRACK FLANGES.
7. PROVIDE 1⅝", 16 GAUGE COLD-ROLLED "U" CHANNEL HORIZONTAL BRIDGING AT 5'-0" ON CENTER, MAXIMUM FOR WALL STUDS. PROVIDE ONE ROW AT MID-HEIGHT FOR WALLS LESS THAN 10 FEET HIGH. ATTACH BRIDGING TO EACH STUD BY WELDING OR WITH CLIPS AND SCREWS.
8. PROVIDE BRIDGING FOR FLOOR, ROOF, AND CEILING JOISTS AT 8 FEET ON CENTER, MAXIMUM. BRIDGING TO CONSIST OF SOLID BLOCKING IN TWO JOIST SPACES EACH END OF BRIDGING LINE AND IN SINGLE SPACES 10 FEET ON CENTER, MAXIMUM, WITH CONTINUOUS FLAT STEEL STRAPS TOP AND BOTTOM FULL LENGTH. NOTE: TOP FLANGE STRAP MAY BE OMITTED, UNLESS CONSTRUCTION LOADS REQUIRE BRIDGING PRIOR TO DECK INSTALLATION.
9. ALL MEMBERS ARE TO BE CONTINUOUS BETWEEN SUPPORTS. CONTINUOUS WALL TRACK MUST BE ANCHORED TO A COMMON STRUCTURAL MEMBER, AT SPLICE LOCATIONS, OR MUST BE SPLICED BY BUTT WELDING OR LAPPING AND FASTENING.
10. TYPICAL WALL STUDS TO BE AS FOLLOWS, EXCEPT WHERE NOTED OTHERWISE
    EXTERIOR: 600S162-43 @ 16" O.C.
11. PROVIDE MULTIPLE STUDS AT BEARING POINTS FOR MULTIPLE MEMBER JOISTS OR BEAMS, I.E. TRIPLE STUD AT TRIPLE MEMBER BEAM. MULTIPLE STUDS TO CARRY DOWN TO FOUNDATION. PROVIDE OTHER ADDITIONAL STUDS WHERE NOTED ON DETAILS OR PLANS.
12. SECTIONS CAN BE IDENTIFIED BY THE FOLLOWING NOMENCLATURE:

600 S 162 - 43

- MEMBER DEPTH: (IN 1/100 INCHES)
- STYLE: S = STUD OR JOIST SECTIONS; T = TRACK SECTIONS; U = CHANNEL SECTIONS; F = FURRING CHANNEL SECTIONS
- MATERIAL THICKNESS: (MILLS) (IN 1/1000 INCHES)
- FLANGE WIDTH: (IN 1/100 INCHES)

MISCELLANEOUS

1. SEE MECHANICAL DRAWINGS FOR EXACT DIMENSIONS OF MECHANICAL OPENINGS AND EQUIPMENT.
2. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR STEEL FRAMING UNTIL ROOF DIAPHRAGM AND SIDE WALLS ARE IN PLACE.
3. PROVIDE CONTROL JOINTS @ 30'-0" O.C. (MAX.) IN INTERIOR GYPSUM BOARD WALLS.

DEFERRED SUBMITTALS

1. FOR THE PURPOSES OF THIS SECTION, DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD.
2. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BT THE BUILDING OFFICIAL.
3. DEFERRAL OF SUBMITTAL ITEMS SHALL HAVE THE PRIOR APPROVAL OF THE BUILDING OFFICIAL AND ARE AS FOLLOWS:
   A. METAL AWNINGS.

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CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

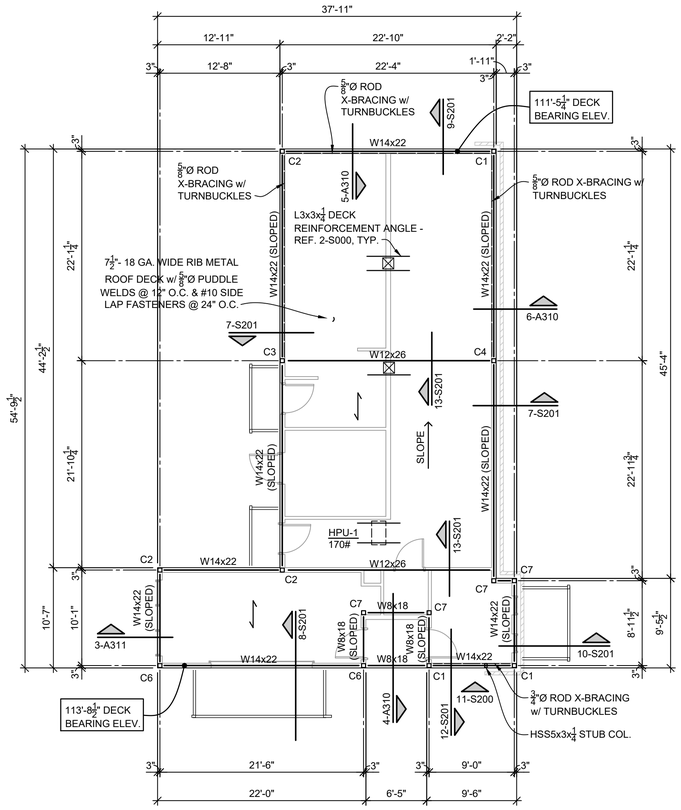
General Structural Notes, Special Inspections, Design Criteria and Typical Details

JOB 220655.1
ISSUE 02/09/2023
DRAWN BY: JRC
CHK'D BY: KWS

S000

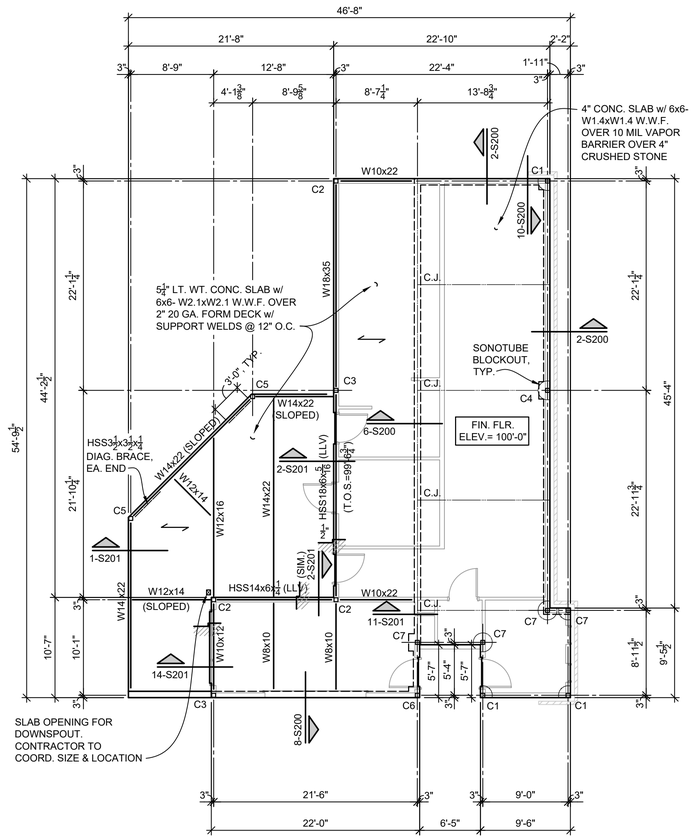
SCALE AS NOTED

PROFESSIONAL STRUCTURAL ENGINEER
KEVIN W. SNOWDEN
18264
OKLAHOMA
2-9-23



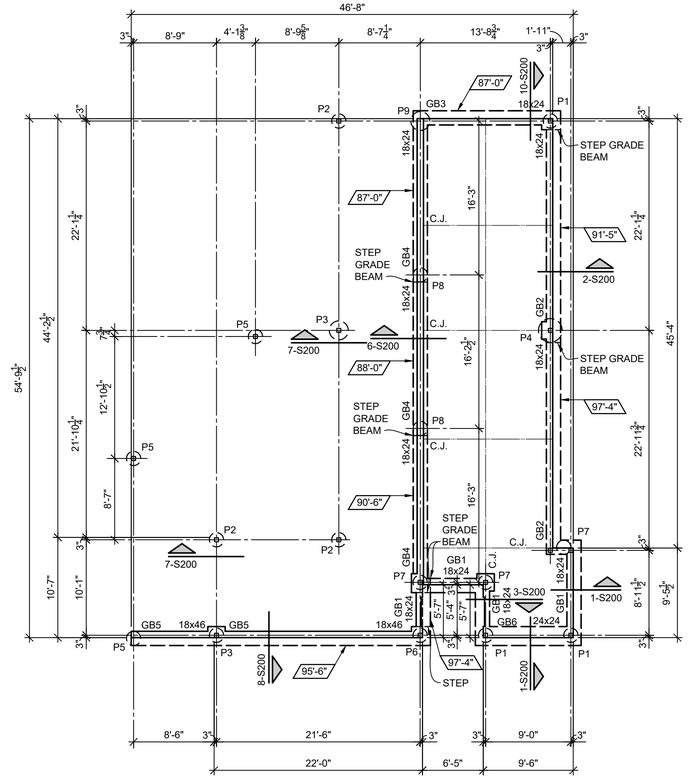
3 ROOF FRAMING PLAN
1/8" = 1'-0"

NORTH



2 FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"

NORTH



1 FOUNDATION PLAN
1/8" = 1'-0"

NORTH

ROOF DESIGN LOADS

LIVE LOAD	20 PSF
DEAD LOAD	
ROOFING	10 PSF
DECK	6 PSF
CEILING	5 PSF
MECH. & ELECT.	4 PSF
TOTAL	45 PSF

FLOOR DESIGN LOADS

LIVE LOAD	100 PSF
DEAD LOAD	
CONC. & STEEL DECK	40 PSF
CEILING	3 PSF
MECH. & ELECT.	4 PSF
TOTAL	147 PSF

LEGEND

⟷ INDICATES DIRECTION OF DECK SPAN

95'-6" INDICATES BOTTOM OF FOOTING ELEVATION

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918.252.4557
CA #313 EXP. 06/30/23

CONSULTANT:

MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

Foundation, First Floor and Roof Framing Plans

JOB	220655.1
ISSUE	02/09/2023
DRAWN BY:	JRC
CHK'D BY:	KWS

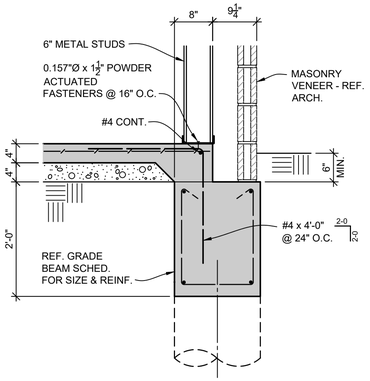
S100

SCALE AS NOTED

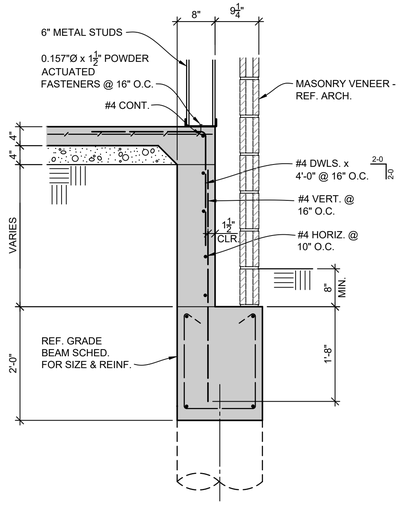
PROFESSIONAL STRUCTURAL ENGINEER
KEVIN W. SNOWDEN
18264
OKLAHOMA

2-9-23

1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"



1 FOUNDATION SECTION
3/4" = 1'-0"



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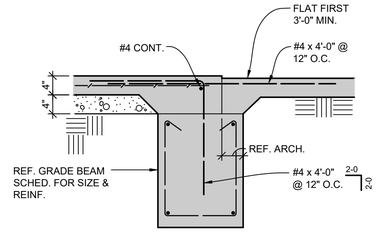
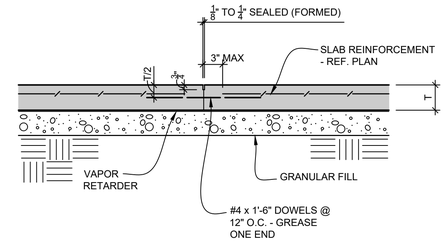
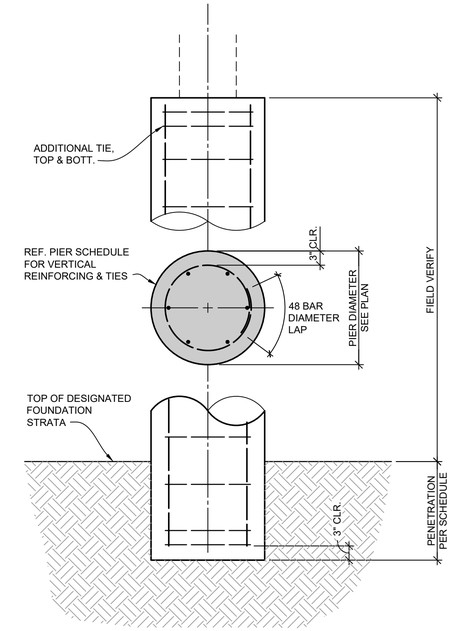
3/4" = 1'-0"



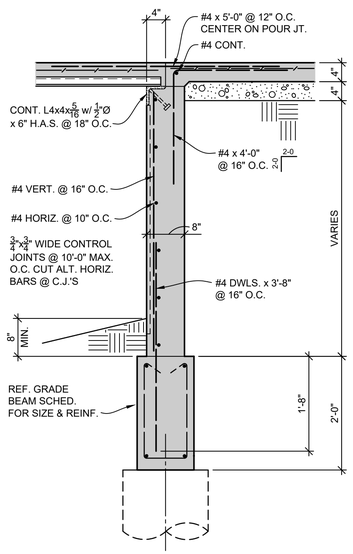
3 FOUNDATION SECTION
3/4" = 1'-0"



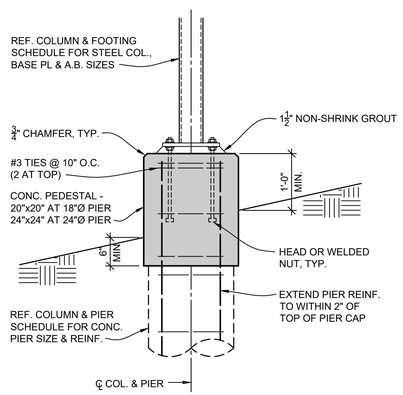
4 TYPICAL CONSTRUCTION JOINT
1" = 1'-0"



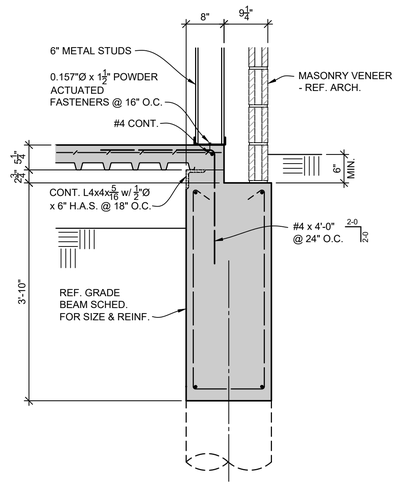
5 TYPICAL PIER DIAGRAM
NO SCALE



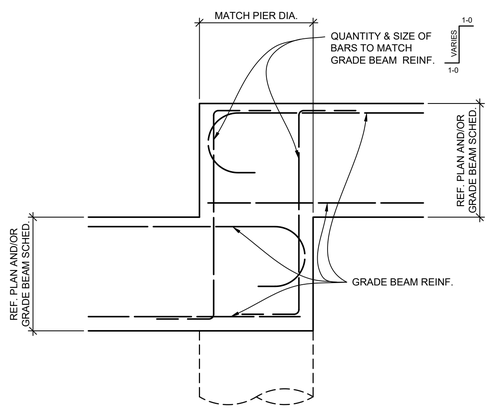
6 FOUNDATION SECTION
3/4" = 1'-0"



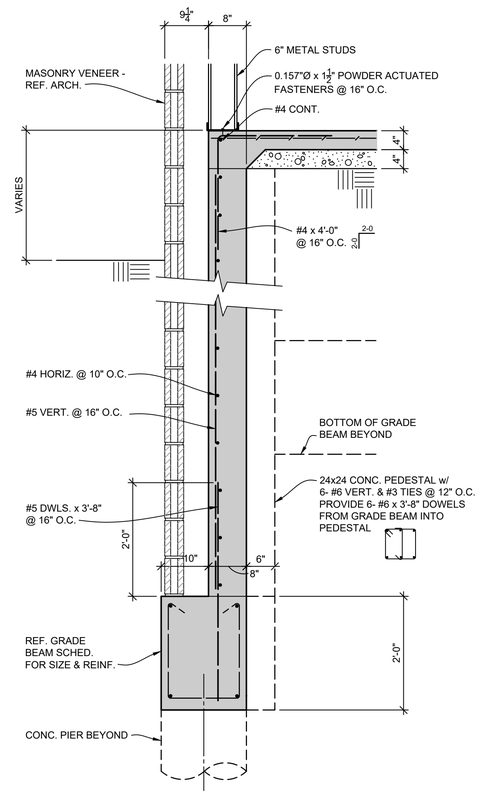
7 FOUNDATION SECTION
3/4" = 1'-0"



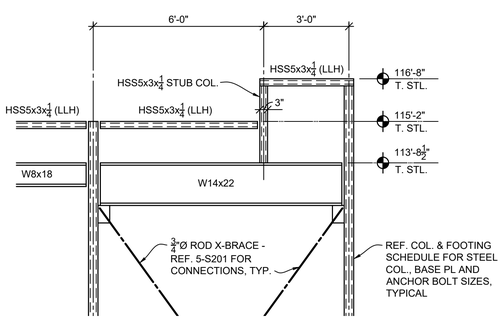
8 FOUNDATION SECTION
3/4" = 1'-0"



9 TYPICAL STEP GRADE BEAM DETAIL
NO SCALE



10 FOUNDATION SECTION
3/4" = 1'-0"



11 FRAMING ELEVATION
3/8" = 1'-0"

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
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WALLACE DESIGN COLLECTIVE
123 NORTH M.L.K. Jr BOULEVARD
TULSA, OKLAHOMA
918.384.0593

CONSULTANT:

STRUCTURAL ENGINEER
SNOWDEN ENGINEERING, INC.
8128 EAST 63rd SREET
TULSA, OKLAHOMA
918.252.4557
CA #313 EXP. 06/30/23

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CONSTRUCTION DOCUMENTS
02/09/2023

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TULSA, OKLAHOMA 74112

REVISIONS

Foundation Sections and Framing Elevation

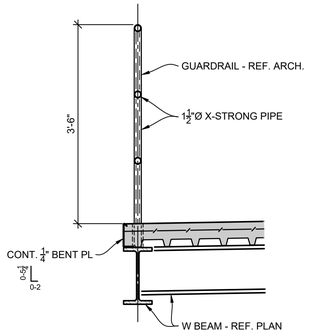
JOB	220655.1
ISSUE	02/09/2023
DRAWN BY:	JRC
CHK'D BY:	KWS

PROFESSIONAL STRUCTURAL ENGINEER
KEVIN W. SNOWDEN
18264
OKLAHOMA

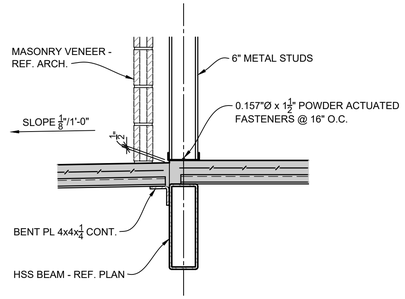
S200

SCALE AS NOTED

2-9-23

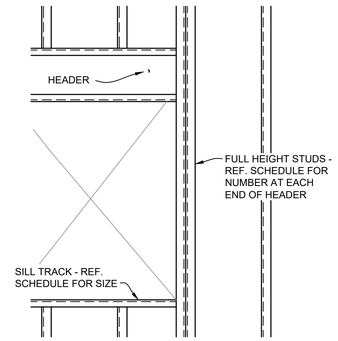


1 FRAMING SECTION
3/4" = 1'-0"

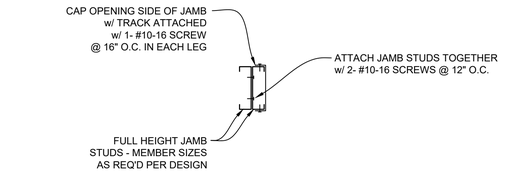


2 FRAMING SECTION
3/4" = 1'-0"

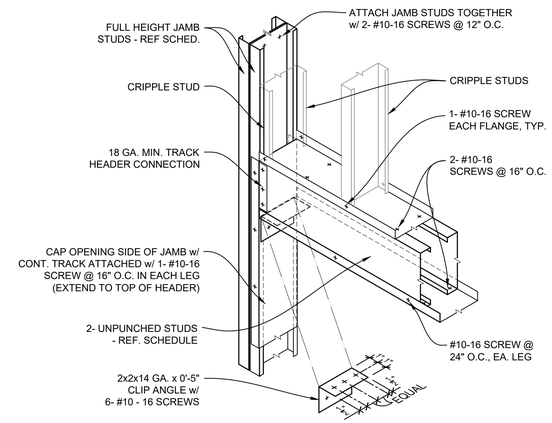
STUD SCHEDULE				
OPENING WIDTH	FULL HEIGHT STUDS	HEADER STUDS	HEADER TRACKS	SILL TRACKS
LESS THAN 4'-0"	1- 600S162-43	2- 600S162-43	600T125-43	
4'-1" TO 6'-0"	2- 600S162-43	2- 600S162-43	600T125-43	
6'-1" TO 12'-0"	2- 600S162-43	2- 600S162-43	600T125-54	



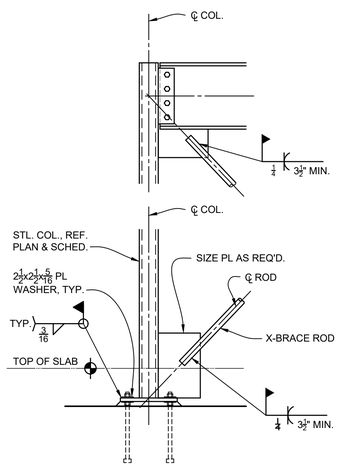
3 TYPICAL FRAMED OPENING ELEVATION
3/4" = 1'-0"



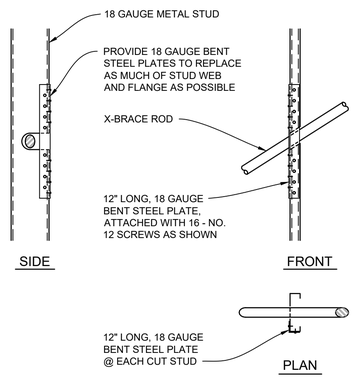
PLAN - JAMB



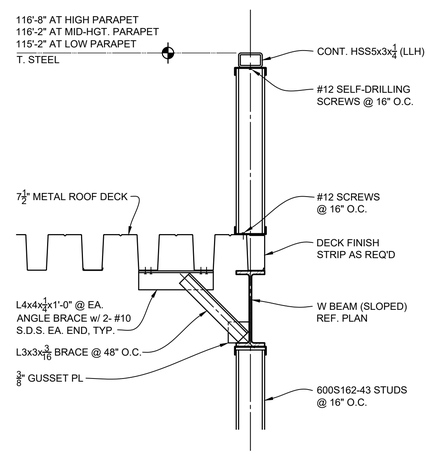
4 BOXED HEADER CONNECTION AT NON-BEARING WALL
3/4" = 1'-0"



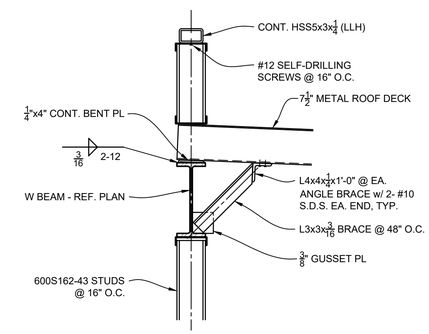
5 TYPICAL ROD X-BRACE CONNECTION DETAIL
3/4" = 1'-0"



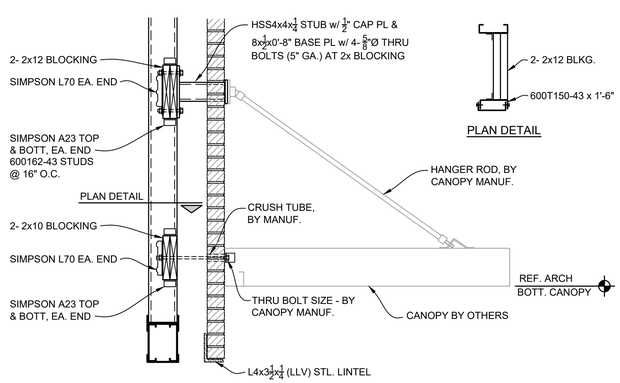
6 TYPICAL STUD REPAIR AT X-BRACE
3/4" = 1'-0"



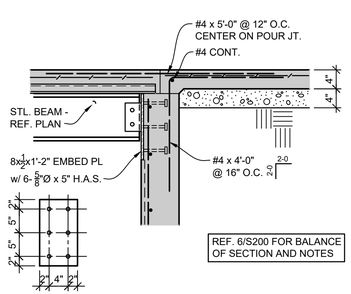
7 FRAMING SECTION
3/4" = 1'-0"



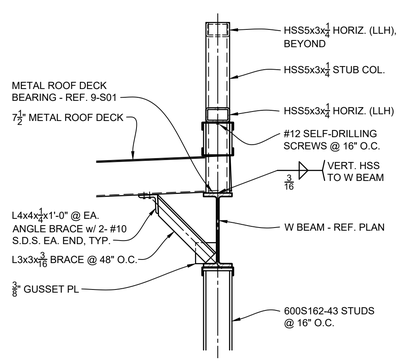
8 FRAMING SECTION
3/4" = 1'-0"



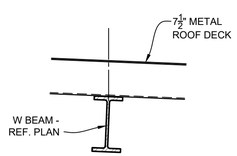
10 FRAMING SECTION
3/4" = 1'-0"



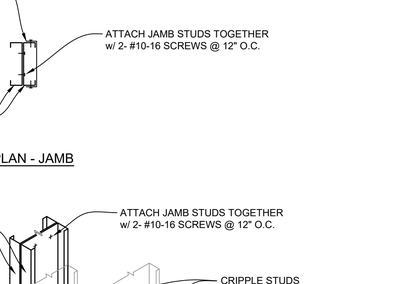
11 FRAMING SECTION
3/4" = 1'-0"



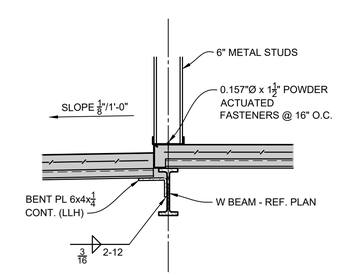
12 FRAMING SECTION
3/4" = 1'-0"



13 FRAMING SECTION
3/4" = 1'-0"



9 FRAMING SECTION
3/4" = 1'-0"



14 FRAMING SECTION
3/4" = 1'-0"

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
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918.384.0593

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STRUCTURAL ENGINEER
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8128 EAST 63rd SREET
TULSA, OKLAHOMA
918.252.4557
CA #313 EXP. 06/30/23

CONSULTANT:

MEP ENGINEER
ALLIED ENGINEERING GROUP
1401 SOUTH DENVER AVENUE, SUITE A
TULSA, OKLAHOMA
918.384.0593

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

Framing Sections and Details

JOB	220655.1
ISSUE	02/09/2023
DRAWN BY:	JRC
CHK'D BY:	KWS

S201

SCALE AS NOTED

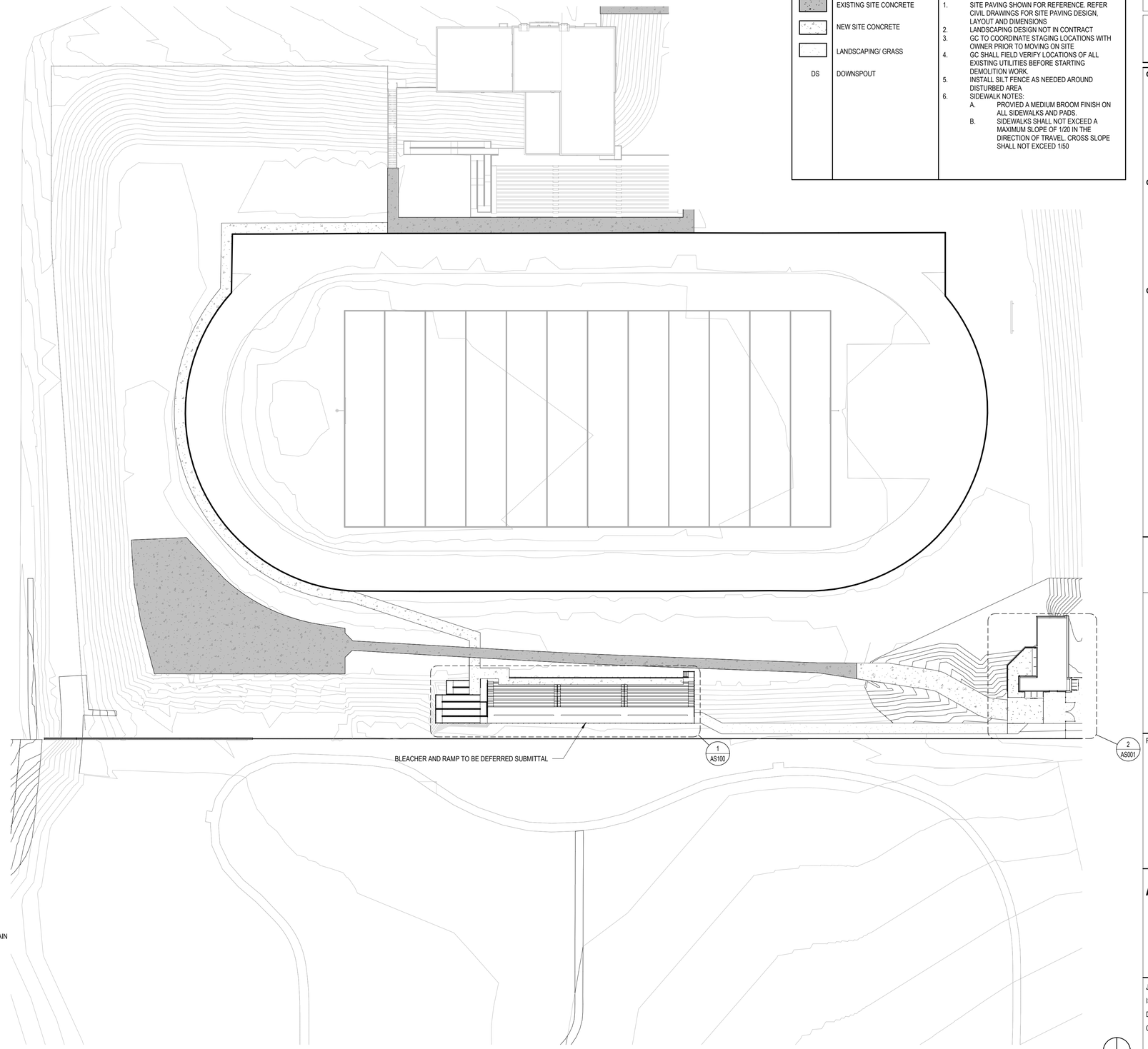
PROFESSIONAL STRUCTURAL ENGINEER
KEVIN W. SNOWDEN
18264
OKLAHOMA
2-9-23

SITE PLAN LEGEND:

	EXISTING SITE CONCRETE
	NEW SITE CONCRETE
	LANDSCAPING/ GRASS
DS	DOWNSPOUT

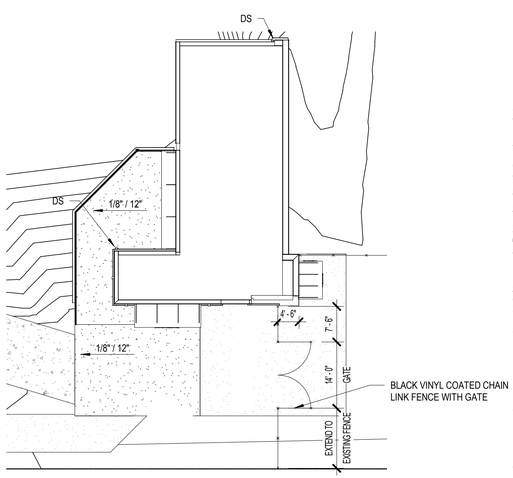
GENERAL NOTES:

1. SITE PAVING SHOWN FOR REFERENCE. REFER CIVIL DRAWINGS FOR SITE PAVING DESIGN, LAYOUT AND DIMENSIONS
2. LANDSCAPING DESIGN NOT IN CONTRACT
3. GC TO COORDINATE STAGING LOCATIONS WITH OWNER PRIOR TO MOVING ON SITE
4. GC SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES BEFORE STARTING DEMOLITION WORK.
5. INSTALL SILT FENCE AS NEEDED AROUND DISTURBED AREA
6. SIDEWALK NOTES:
   - A. PROVIED A MEDIUM BROOM FINISH ON ALL SIDEWALKS AND PADS.
   - B. SIDEWALKS SHALL NOT EXCEED A MAXIMUM SLOPE OF 1/20 IN THE DIRECTION OF TRAVEL. CROSS SLOPE SHALL NOT EXCEED 1/50



1 ARCHITECTURAL SITE PLAN
1" = 40'-0"

NORTH



2 ENLARGED BUILDING SITE PLAN
1/16" = 1'-0"

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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

ARCHITECTURAL SITE PLAN

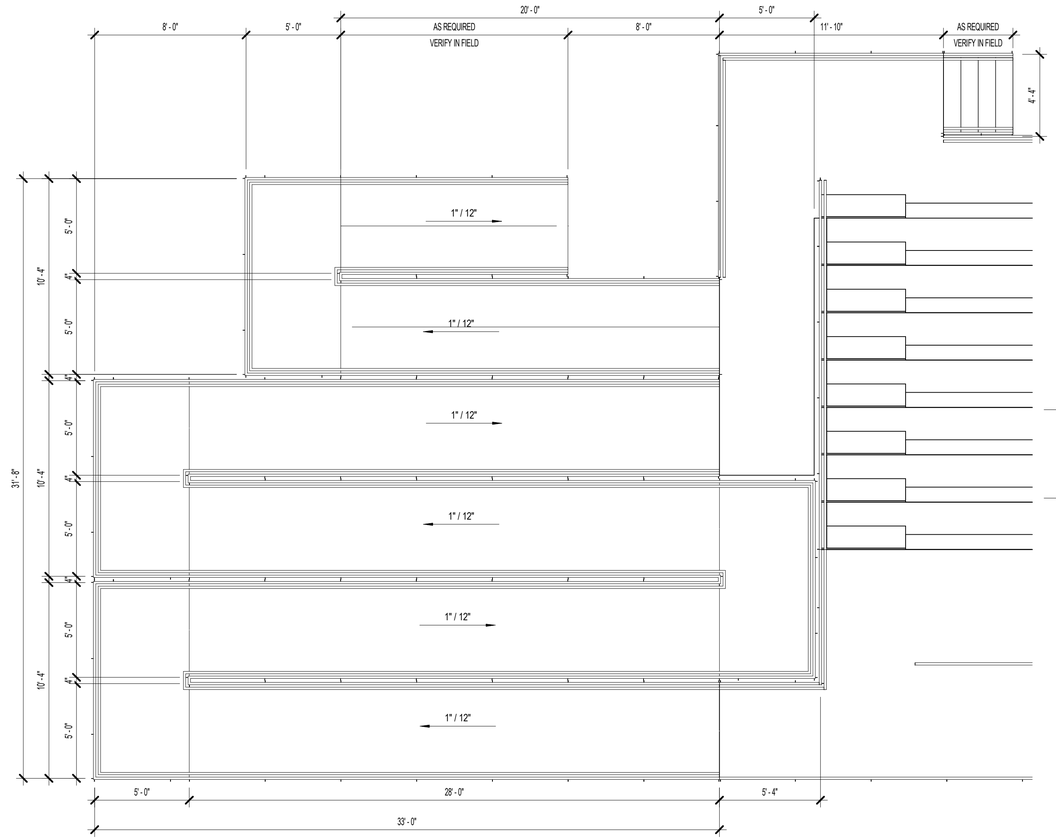
JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR
SCALE	As indicated

STATE OF OKLAHOMA
DAVID R. REED
4162
TULSA, OK
LICENSED ARCHITECT
2/9/2023

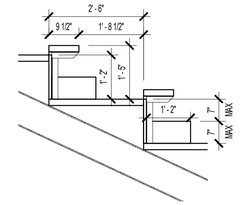
AS001

2/9/2023 11:12:37 AM

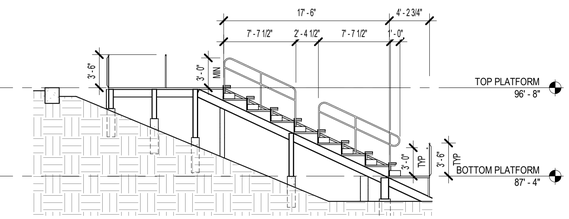
1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"



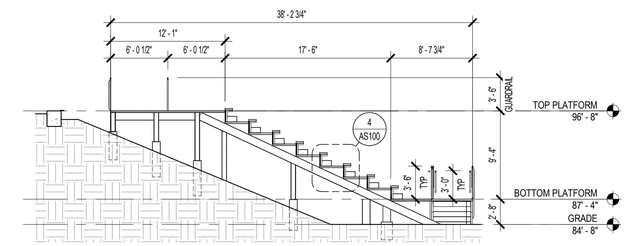
5 ENLARGED RAMP PLAN
1/4" = 1'-0"



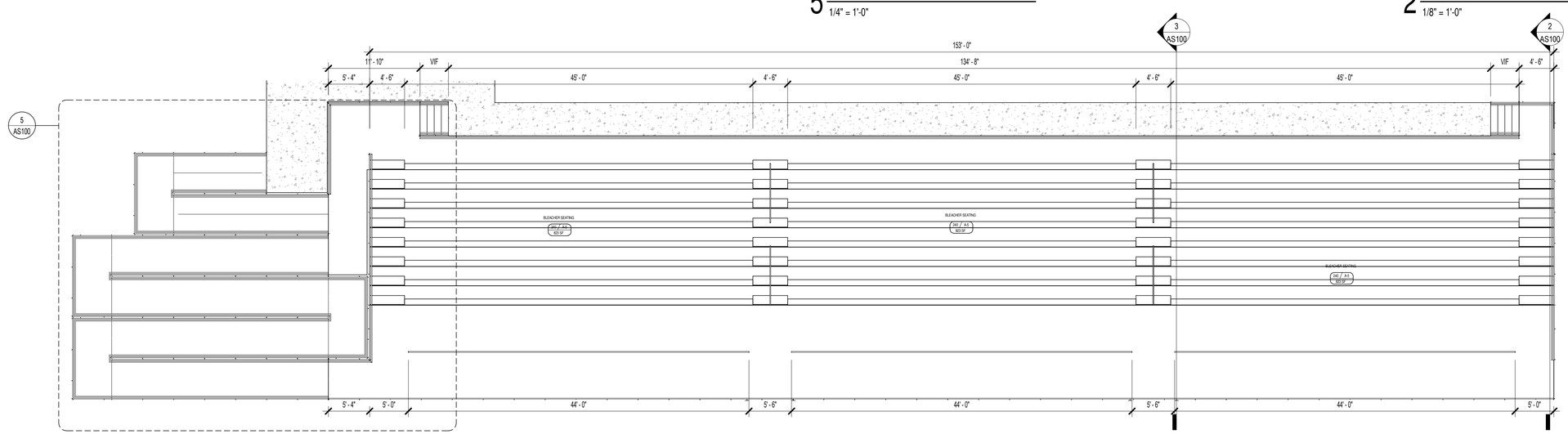
4 BLEACHER DETAIL
1/2" = 1'-0"



3 BLEACHER SECTION
1/8" = 1'-0"



2 BLEACHER SECTION
1/8" = 1'-0"



BLEACHER SYSTEM TO BE DEFERRED SUBMITTAL

1 BLEACHER PLAN
1/8" = 1'-0"

2/8/2023 11:12:38 AM

1/16"=1'-0" 0 8' 16' 32' | 3/32"=1'-0" 0 4' 8' 16' 32' | 1/8"=1'-0" 0 4' 8' 16' | 1/4"=1'-0" 0 2' 4' 8' | 1/2"=1'-0" 0 1' 2' 4' | 3/4"=1'-0" 0 1' 2' | 1"=1'-0" 0 6" 1' 2' | 1 1/2"=1'-0" 0 3" 6" 1' | 3"=1'-0" 0 3" 6"

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TULSA, OKLAHOMA
918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

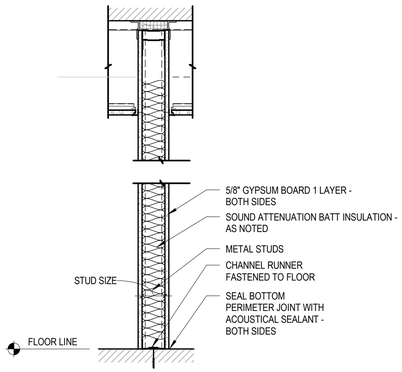
BLEACHER PLANS AND SECTIONS

JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR

AS100

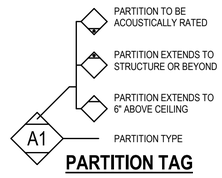
SCALE As indicated

STATE OF OKLAHOMA
DAVID R. REED
4152
TULSA, OK
LICENSED ARCHITECT
2/9/2023



PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	ACOUSTICAL RATING		
			STC	TEST REFERENCE	S.A.
A1	3 5/8"	4 7/8"			
A2	6"	7 1/4"			●

'A' PARTITION TYPE



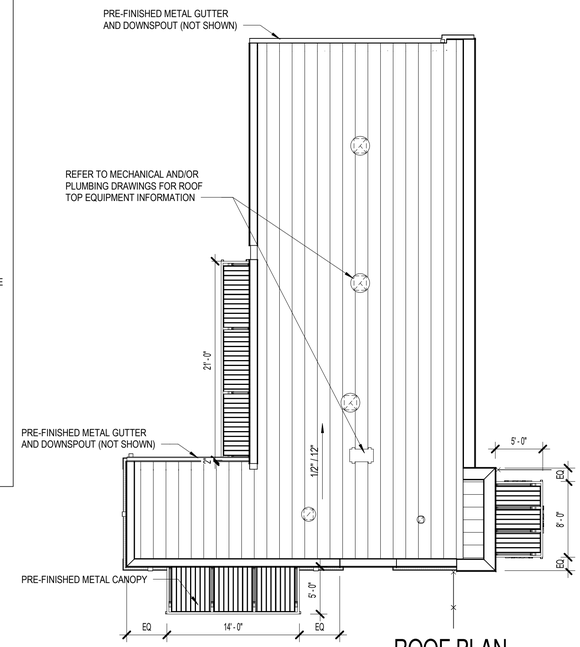
PARTITION TAG

CEILING LEGEND	
	GYPSUM BOARD CEILING
	LAY-IN CEILING - 2X2 GRID
	EXIT SIGN & TRAVEL DIRECTION
	4' LED STRIP FIXTURE
	4' LED LINEAR FIXTURE
	8' LED LINEAR FIXTURE
	EXTERIOR WALL PACK
	2'x4' LIGHT FIXTURE
	1'x4' PENDANT LIGHT FIXTURE
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST FAN
	FAN COIL UNIT
	FAN FORCED HEATER

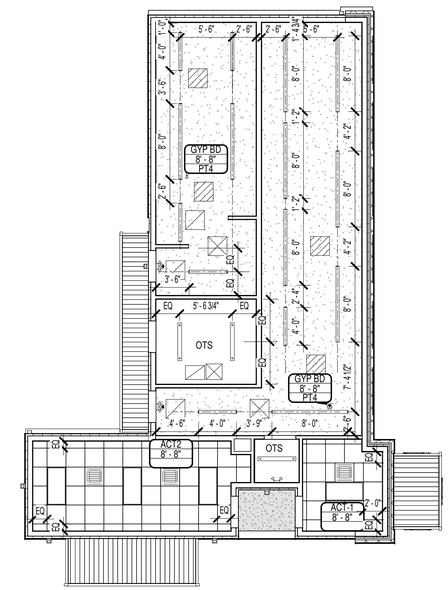
EXTERIOR MATERIALS LEGEND

MARK	PATTERN	MATERIAL	COLOR	COMMENTS
[CMU1]		CMU	GRAY	
[BR1]		MODULAR BRICK	TAN	MATCH HOME STADIUM BRICK
[BR2]		MODULAR BRICK	BUFF	
[EIFS1]		EXTERIOR INSULATION FINISHING SYTEM	MATCH [BR2]	ALCOVE AND UNDER SLAB SOFFITS
[IMP1]		INSULATED METAL PANEL	SANDSTONE	PANEL PROFILE: KINGSPAN GRANITSTONE
[IMP2]		INSULATED METAL PANEL	REGAL BLUE	PANEL PROFILE: KINGSPAN SHADOWLINE
[PFMC]		PRE-FINISHED METAL CLOSURE	DARK GRAY	SUBMIT COLOR SAMPLE FOR APPROVAL

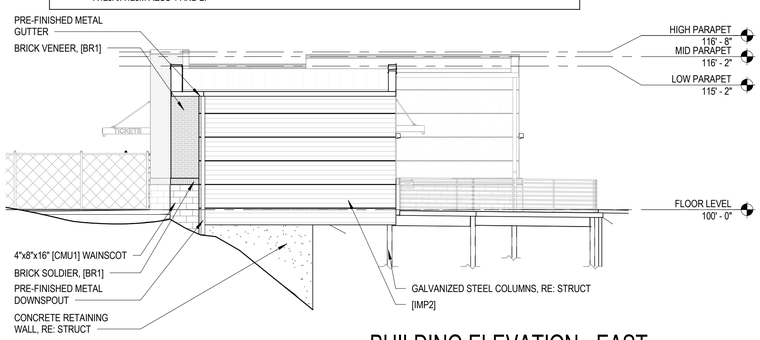
NOTES:
1. ALL EXPOSED STRUCTURAL STEEL TO BE HOT DIPPED GALVANIZED GRADE 75 OR 85 IN ACCORANCE WITH ASTM A123A/A123M AESS 1 AND 2.



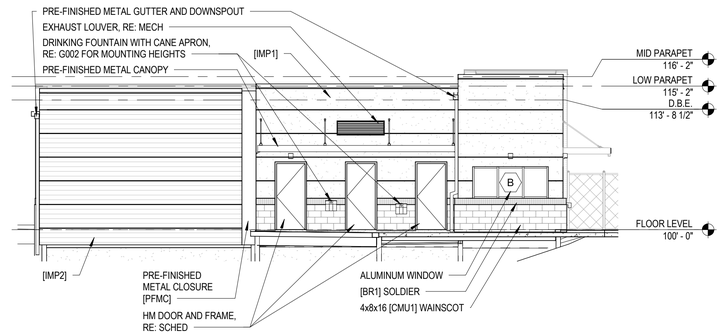
5 ROOF PLAN
1/8" = 1'-0"



2 REFLECTED CEILING PLAN
1/8" = 1'-0"



7 BUILDING ELEVATION - EAST
1/8" = 1'-0"



4 BUILDING ELEVATION - NORTH
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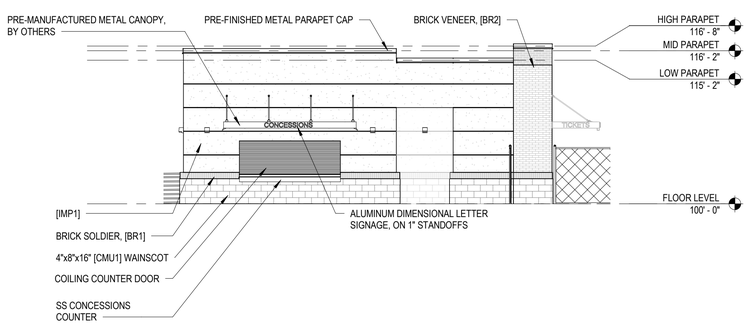
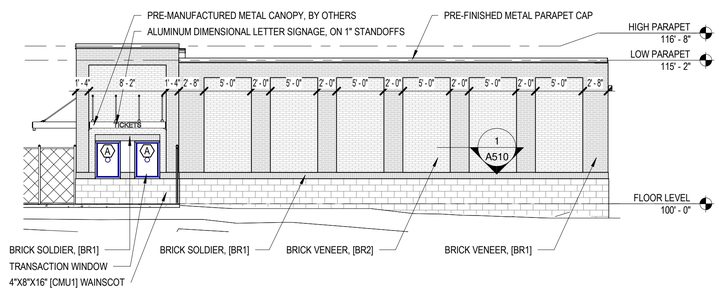
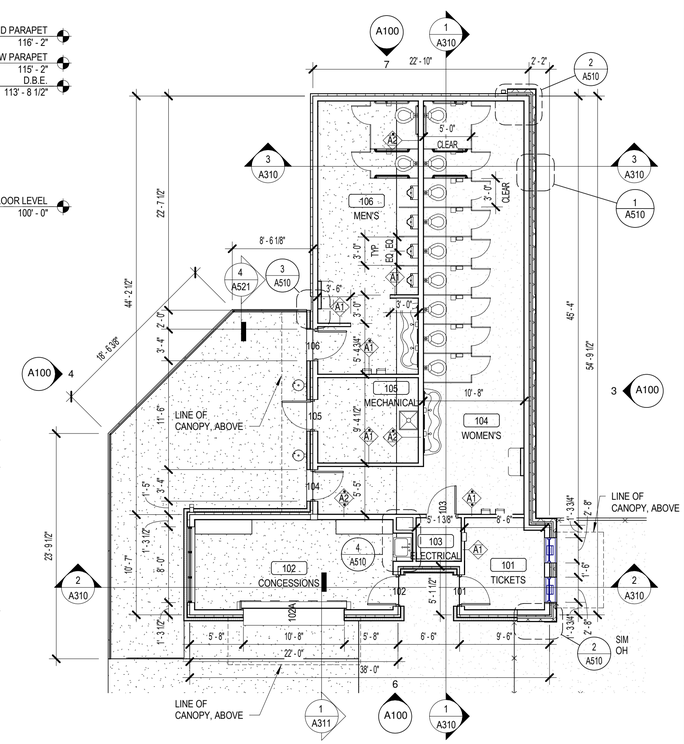


6 BUILDING ELEVATION - WEST
1/8" = 1'-0"



3 BUILDING ELEVATION - SOUTH
1/8" = 1'-0"



1 FLOOR PLAN
1/8" = 1'-0"

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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

BUILDING PLANS AND ELEVATIONS

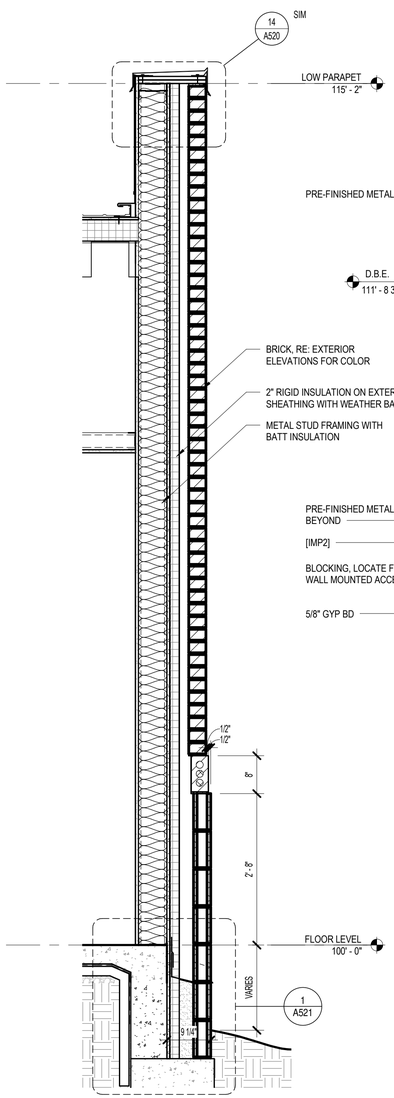
JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR
SCALE	As indicated

A100

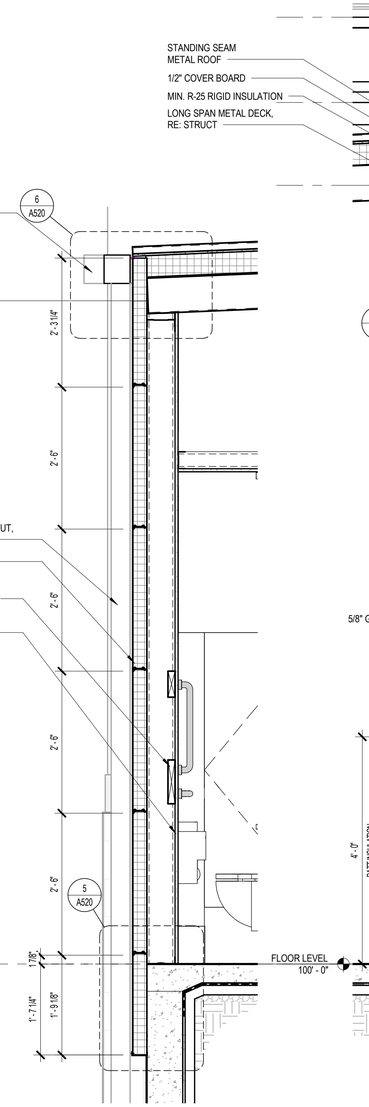
STATE OF OKLAHOMA DAVID R. REED 4162 TULSA, OK LICENSED ARCHITECT
2/9/2023

2/8/2023 11:12:07 AM

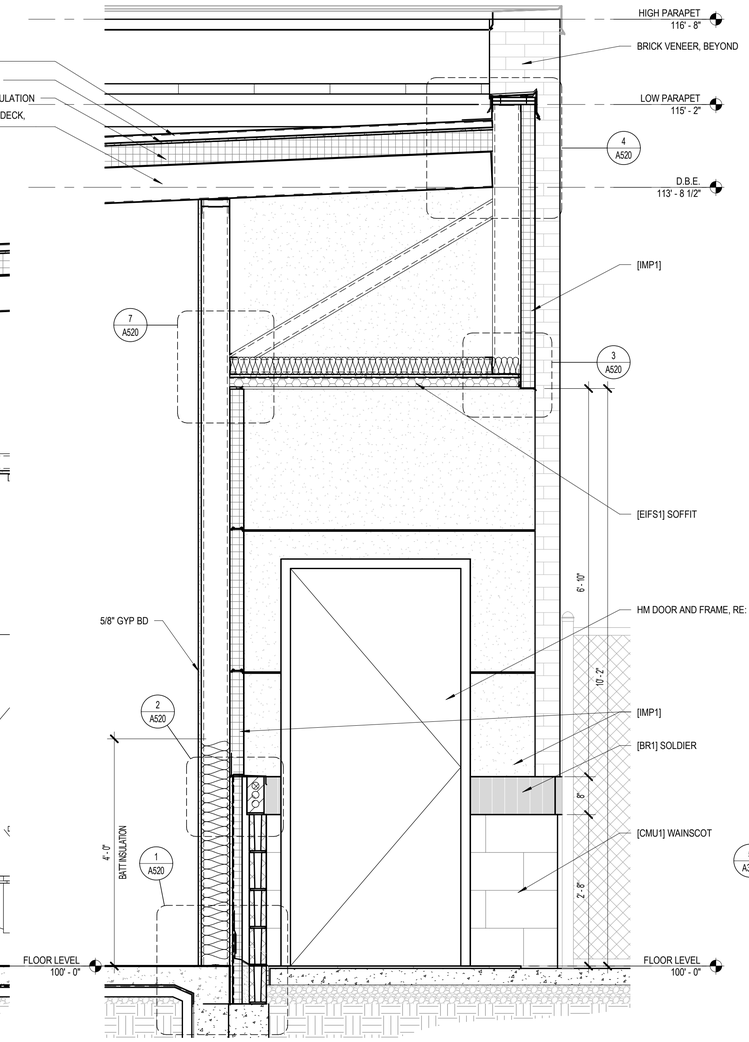
1/16"=1'-0" 0 8' 16' 32' | 3/32"=1'-0" 0 4' 8' 16' 32' | 1/8"=1'-0" 0 4' 8' 16' | 1/4"=1'-0" 0 2' 4' 8' | 1/2"=1'-0" 0 1' 2' 4' | 3/4"=1'-0" 0 1' 2' | 1"=1'-0" 0 6" 1' 2' | 1 1/2"=1'-0" 0 3" 6" 1' | 3"=1'-0" 0 3" 6"



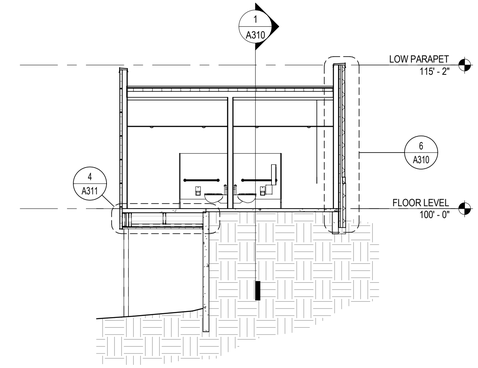
6 WALL SECTION AT FULL HEIGHT MASONRY
3/4" = 1'-0"



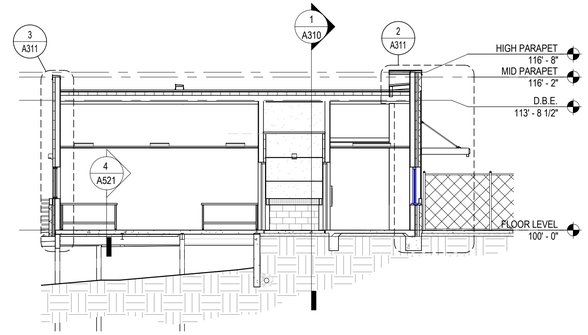
5 WALL SECTION AT GUTTER
3/4" = 1'-0"



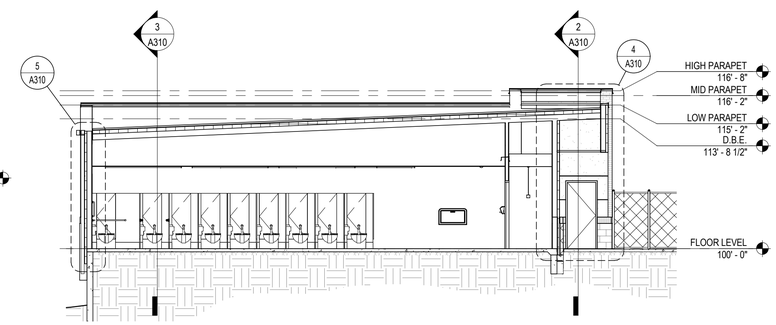
4 WALL SECTION AT ALCOVE
3/4" = 1'-0"



3 BUILDING SECTION - N/S 2
1/8" = 1'-0"



2 BUILDING SECTION - N/S
1/8" = 1'-0"



1 BUILDING SECTION - E/W
1/8" = 1'-0"

2/8/2023 11:12:11 AM

1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

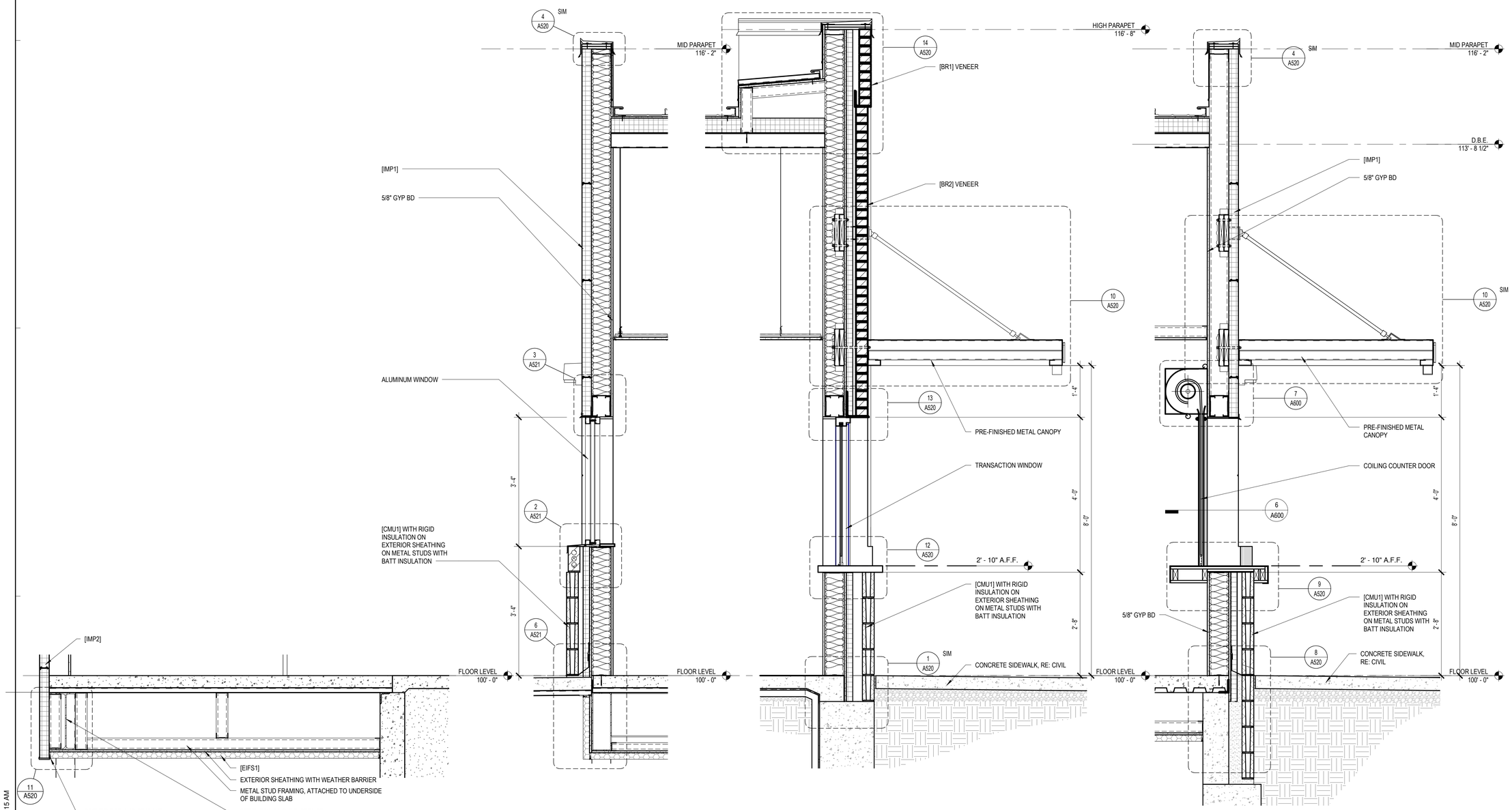
BUILDING AND WALL SECTIONS

JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR

A310

SCALE As indicated

STATE OF OKLAHOMA
DAVID R. REED
4162
TULSA, OK
LICENSED ARCHITECT
2/9/2023



4 SECTION AT UNDERSLAB SOFFIT
3/4" = 1'-0"

3 WALL SECTION AT WINDOW
3/4" = 1'-0"

2 WALL SECTION AT TICKET WINDOW
3/4" = 1'-0"

1 WALL SECTION AT CONCESSIONS
3/4" = 1'-0"

2/8/2023 11:12:15 AM

1/16"=1'-0" 0 8' 16' 32'
3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

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02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

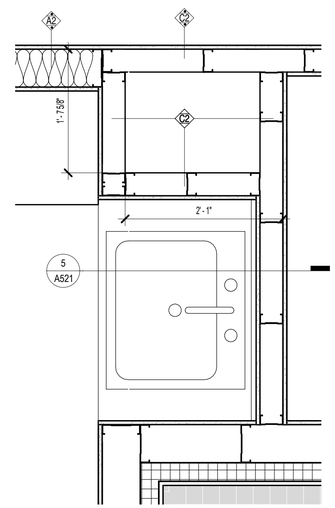
REVISIONS

WALL SECTIONS

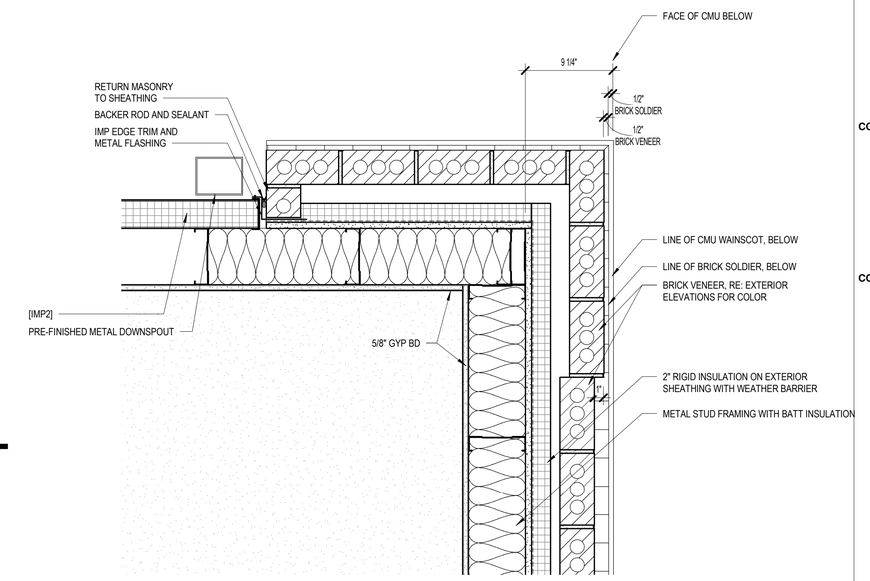
JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR
SCALE	3/4" = 1'-0"

STATE OF OKLAHOMA
DAVID R. REED
4832
TULSA, OK
LICENSED ARCHITECT
2/9/2023

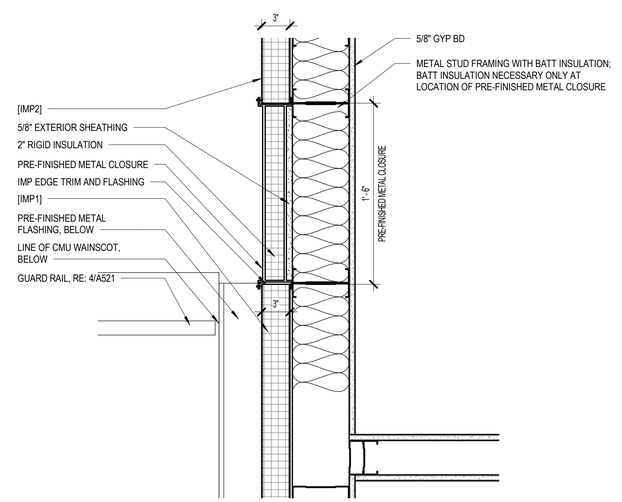
A311



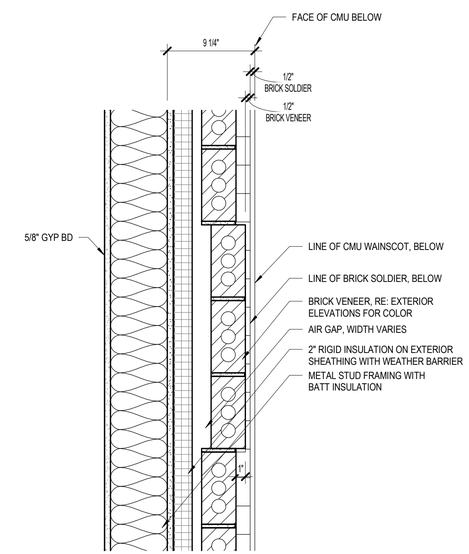
4 ENLARGED PLAN AT CONCESSIONS SINK
1" = 1'-0"



2 MASONRY TO IMP TRANSITION DETAIL
1 1/2" = 1'-0"



3 IMP1 TO IMP2 TRANSITION DETAIL
1 1/2" = 1'-0"



1 BRICK RECESS PLAN DETAIL
1 1/2" = 1'-0"

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3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

PLAN DETAILS

JOB 2022.09
ISSUE 02/09/2023
DRAWN BY: BLB
CHK'D BY: DRR

A510

SCALE As indicated

STATE OF OKLAHOMA
DAVID R. REED
11102
TULSA, OK
LICENSED ARCHITECT
2/9/2023

2/9/2023 11:12:17 AM

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3/32"=1'-0" 0 4' 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
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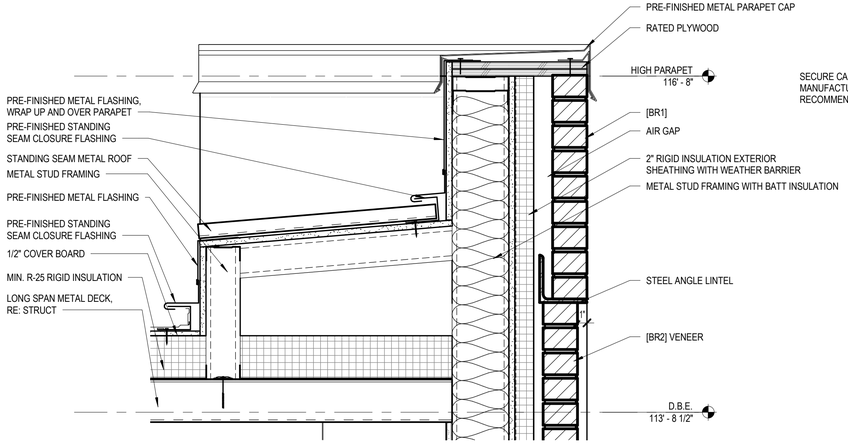
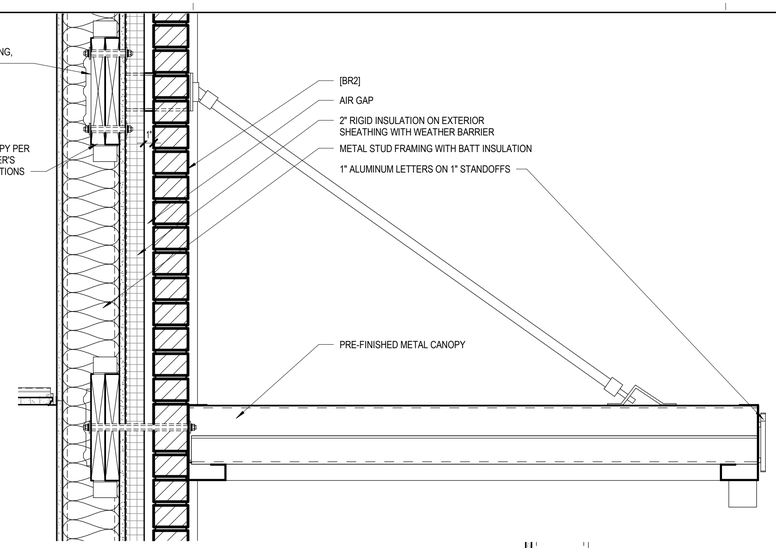
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"



14 PARAPET CAP DETAIL AT BRICK
1 1/2" = 1'-0"



10 CANOPY SECTION DETAIL
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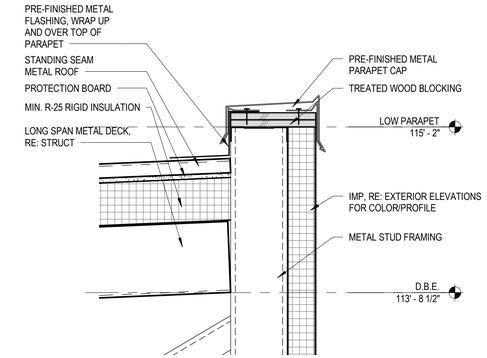
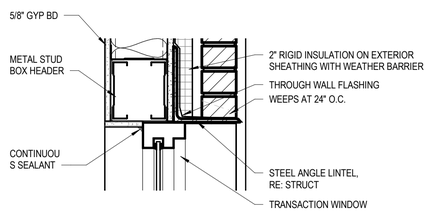
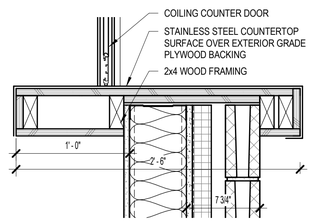


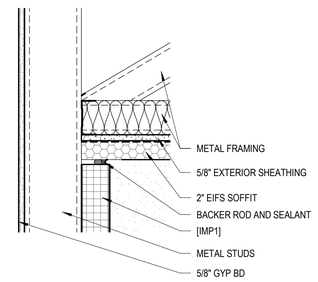
4 PARAPET CAP DETAIL AT IMP
1 1/2" = 1'-0"



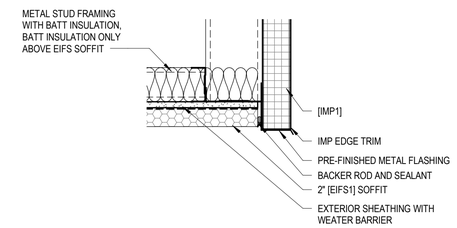
13 TICKET WINDOW HEAD DETAIL
1 1/2" = 1'-0"



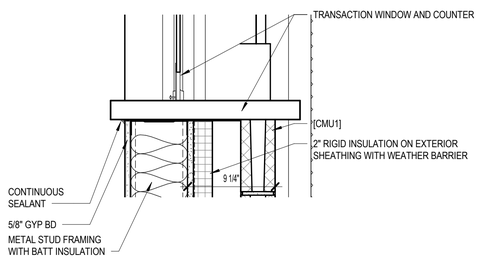
9 CONCESSION COUNTER DETAIL
1 1/2" = 1'-0"



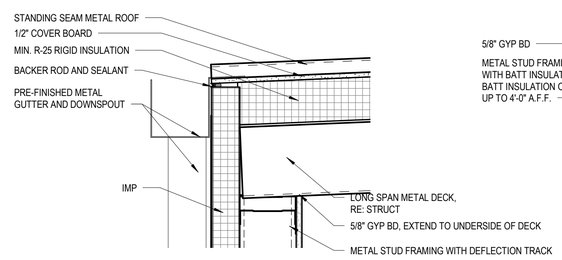
7 EIFS SOFFIT TO IMP DETAIL
1 1/2" = 1'-0"



3 EIFS SOFFIT TO IMP DETAIL
1 1/2" = 1'-0"

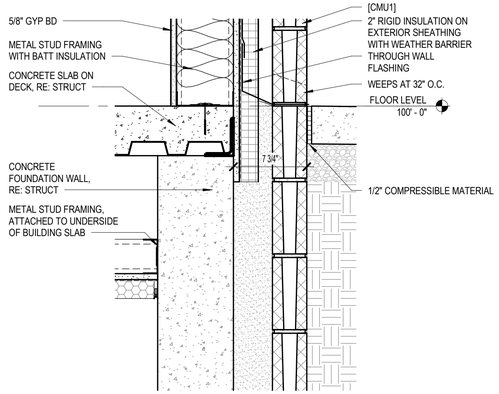


12 TICKET WINDOW COUNTER DETAIL
1 1/2" = 1'-0"

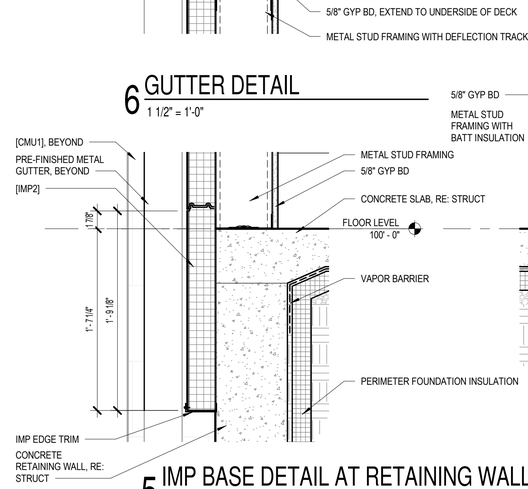


6 GUTTER DETAIL
1 1/2" = 1'-0"

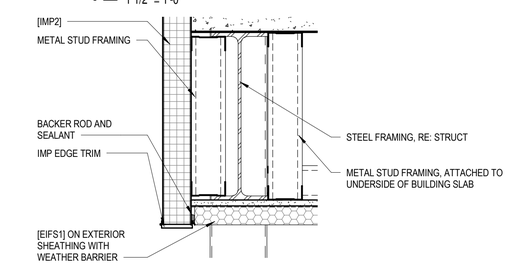
2 BRICK SOLDIER TO IMP DETAIL
1 1/2" = 1'-0"



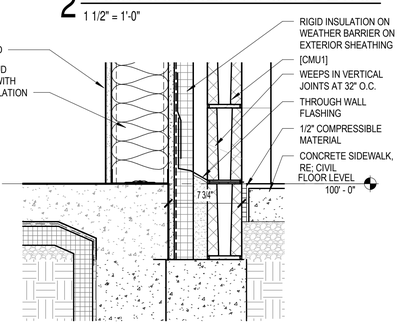
MASONRY WAINSCOT BASE DETAIL AT ELEVATED SLAB
8 1 1/2" = 1'-0"



5 IMP BASE DETAIL AT RETAINING WALL
1 1/2" = 1'-0"



11 UNDER BUILDING SOFFIT DETAIL
1 1/2" = 1'-0"



1 CMU WAINSCOT DETAIL
1 1/2" = 1'-0"

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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

SECTION DETAILS

JOB	2022.09
ISSUE	02/09/2023
DRAWN BY:	BLB
CHK'D BY:	DRR

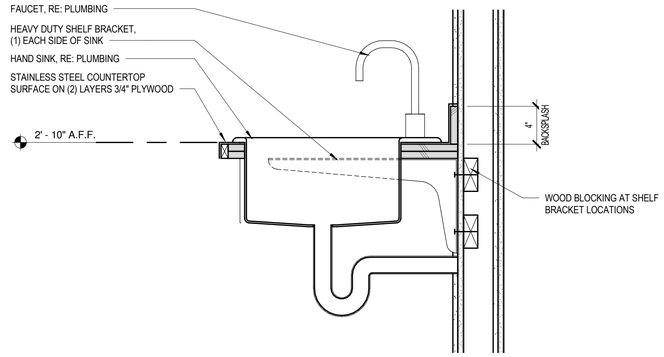
A520

SCALE 1 1 1/2" = 1'-0"

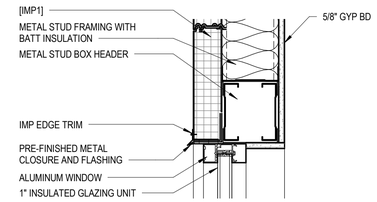
STATE OF OKLAHOMA DAVID R. REED LICENSED ARCHITECT TULSA, OK 2/9/2023

2/9/2023 11:12:21 AM

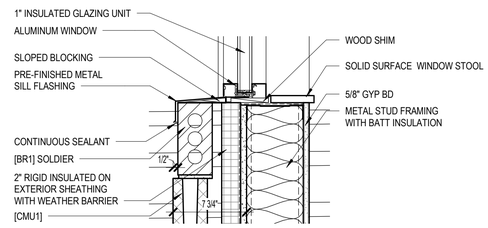
1/16"=1'-0" 0 8' 16' 32' | 3/32"=1'-0" 0 4' 8' 16' 32' | 1/8"=1'-0" 0 4' 8' 16' | 1/4"=1'-0" 0 2' 4' 8' | 1/2"=1'-0" 0 1' 2' 4' | 3/4"=1'-0" 0 1' 2' | 1"=1'-0" 0 6" 1' 2' | 1 1/2"=1'-0" 0 3" 6" 1' | 3"=1'-0" 0 3" 6"



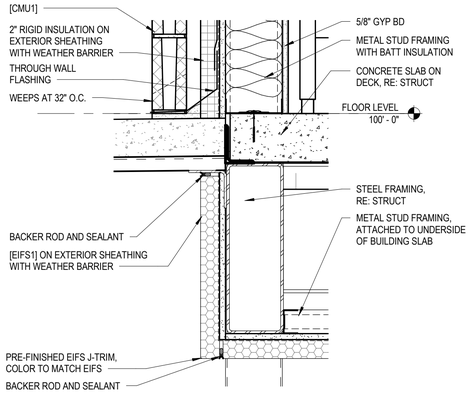
5 HAND SINK COUNTERTOP DETAIL
1 1/2" = 1'-0"



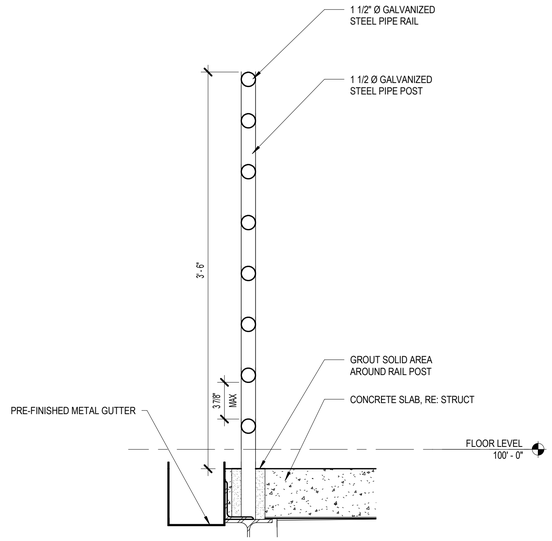
3 ALUMINUM WINDOW HEAD DETAIL
1 1/2" = 1'-0"



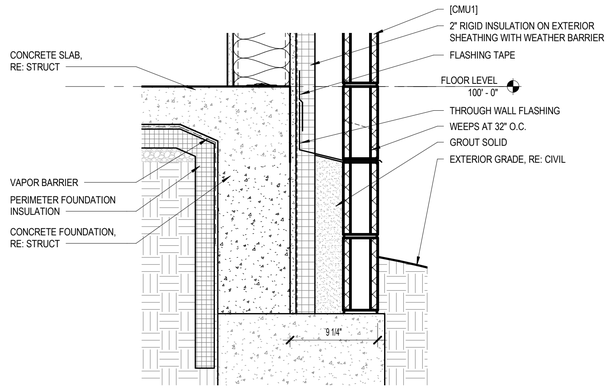
2 ALUMINUM WINDOW SILL DETAIL
1 1/2" = 1'-0"



6 WAINSCOT BASE DETAIL AT ELEVATED SLAB
1 1/2" = 1'-0"



4 GUARDRAIL SECTION
1 1/2" = 1'-0"



1 CMU WAINSCOT BASE DETAIL
1 1/2" = 1'-0"

2/8/2023 11:12:22 AM

1/16"=1'-0" 0 8' 16' 32'
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1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

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JOB 2022.09
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DRAWN BY: BLB
CHK'D BY: DRR

A521

SCALE 1 1/2" = 1'-0"

STATE OF OKLAHOMA
DAVID R. REED
11162
TULSA, OK
LICENSED ARCHITECT
2/9/2023

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR IDENTIFICATION: PAIR / SINGLE	SIZE: WIDTH	SIZE: HEIGHT	DOOR CONSTRUCTION: TYPE	DOOR CONSTRUCTION: MATERIAL	DOOR CONSTRUCTION: FINISH	FRAME CONSTRUCTION: TYPE	FRAME CONSTRUCTION: MATERIAL	FRAME CONSTRUCTION: FINISH	FIRE RATING	DOOR / FRAME DETAILS: HEAD	DOOR / FRAME DETAILS: JAMB	DOOR / FRAME DETAILS: SILL	HW SET	SIGNAGE	OPERATOR	COMMENTS
FLOOR LEVEL																	
101	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	3/A600	2/A600	1/A600	2			
102	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	3/A600	2/A600	1/A600	2			
102A	-	10' - 8"	3' - 10"	2	STL	PT	-	-	PT	-	7/A600	6/A600	9/A520	-			COILING COUNTER DOOR
103	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	5/A600	4/A600	-	4			
104	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	3/A600	2/A600	1/A600	6			
105	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	3/A600	2/A600	1/A600	1			
106	SGL	3' - 0"	7' - 0"	1	HM	PT	A	HM	PT	-	3/A600	2/A600	1/A600	6			

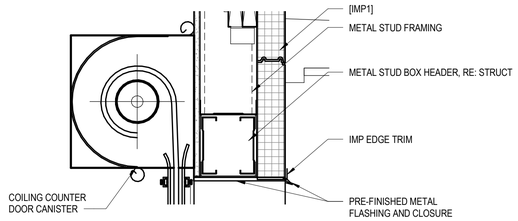
DOOR AND GLAZING LEGEND

DOORS:

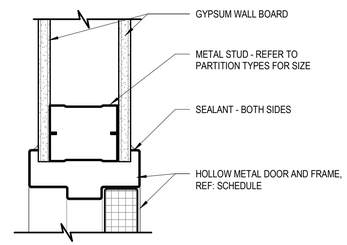
HM HOLLOW METAL

GLAZING:

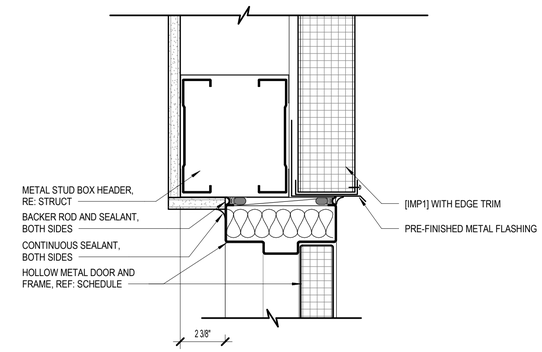
G-1 1" INSULATING GLASS



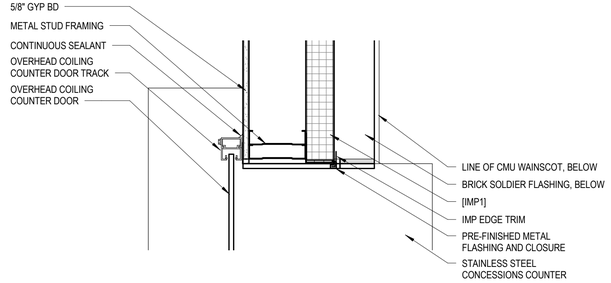
7 COILING DOOR HEAD DETAIL
1 1/2" = 1'-0"



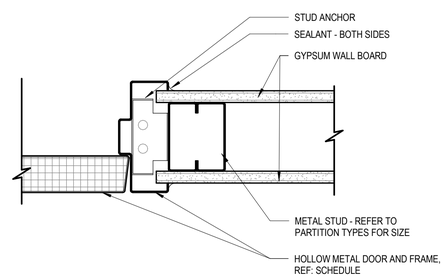
5 HM HEAD AT INTERIOR
3" = 1'-0"



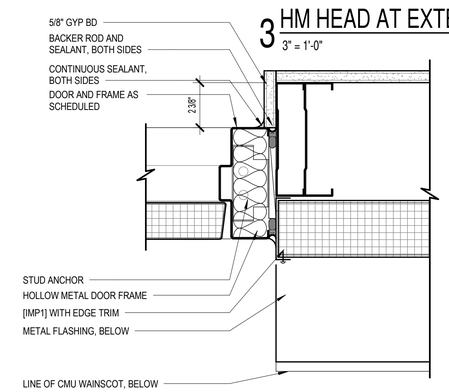
3 HM HEAD AT EXTERIOR
3" = 1'-0"



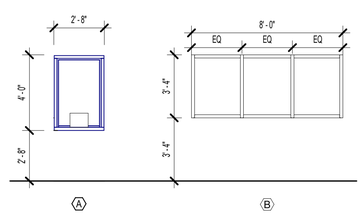
6 COILING DOOR JAMB DETAIL
1 1/2" = 1'-0"



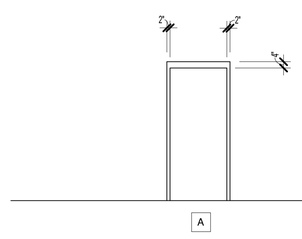
4 HM JAMB AT INTERIOR
3" = 1'-0"



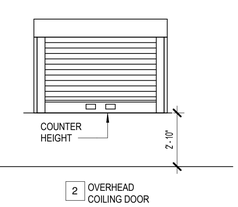
2 HM JAMB AT EXTERIOR
3" = 1'-0"



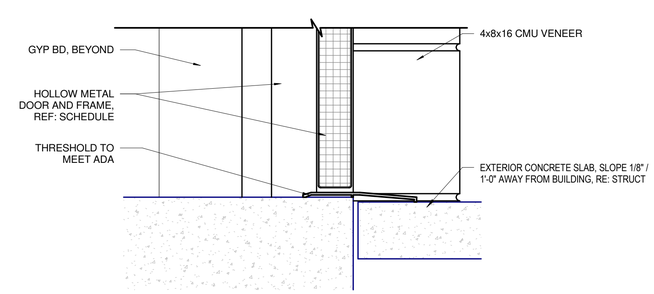
WINDOW TYPES



FRAME TYPES



DOOR TYPES



1 THRESHOLD DETAIL
3" = 1'-0"

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WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

DOOR, DOOR FRAME, AND WINDOW SCHEDULES AND DETAILS

JOB 2022.09
ISSUE 02/09/2023
DRAWN BY: BLB
CHK'D BY: DRR

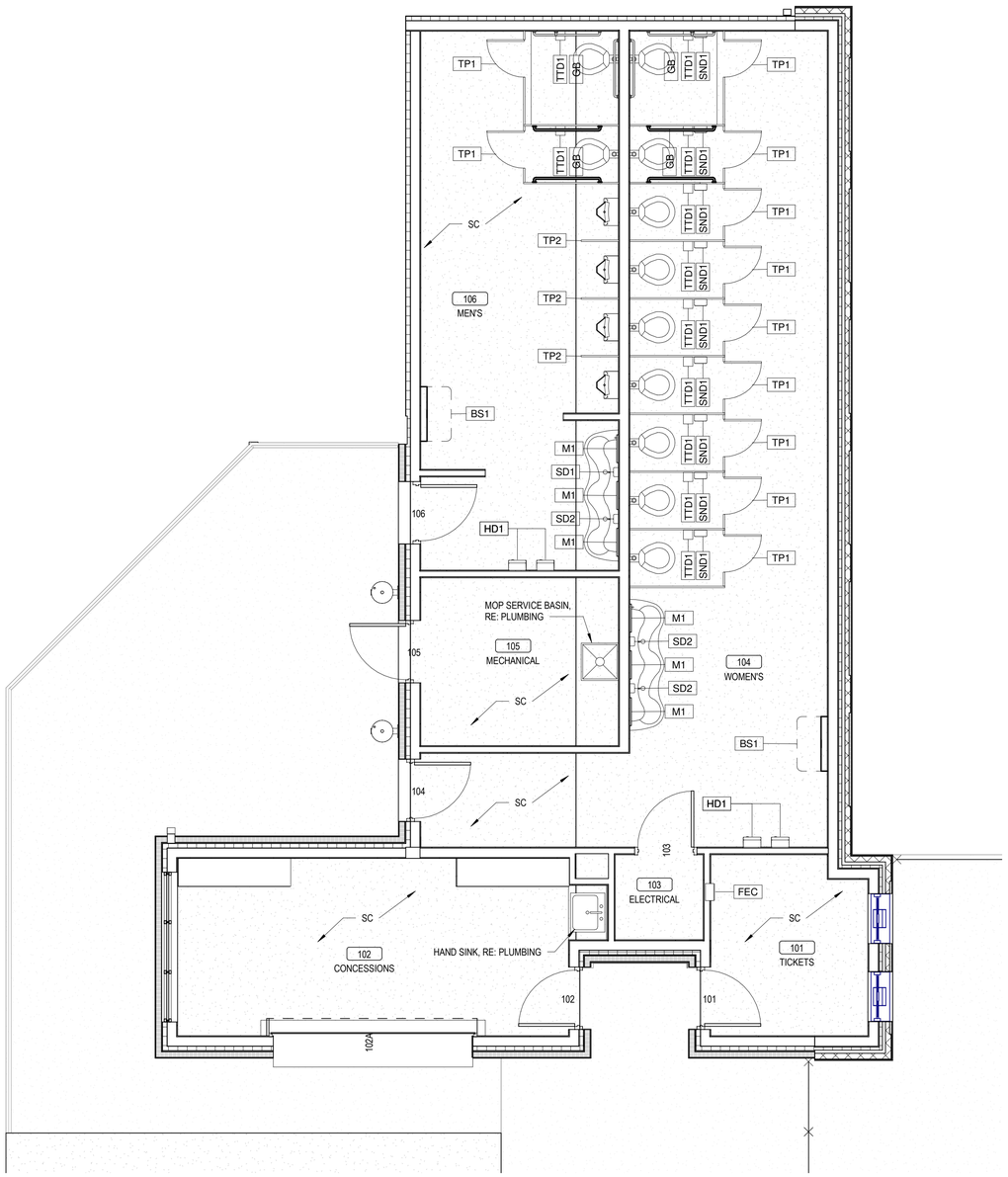
A600

SCALE As indicated

STATE OF OKLAHOMA DAVID R. REED 11822 TULSA, OK LICENSED ARCHITECT
2/9/2023

2/8/2023 11:12:25 AM

1/16"=1'-0" 0 8' 16' 32' | 3/32"=1'-0" 0 4' 8' 16' 32' | 1/8"=1'-0" 0 4' 8' 16' | 1/4"=1'-0" 0 2' 4' 8' | 1/2"=1'-0" 0 1' 2' 4' | 3/4"=1'-0" 0 1' 2' | 1"=1'-0" 0 6" 1' 2' | 1 1/2"=1'-0" 0 3" 6" 1' | 3"=1'-0" 0 3" 6"



1 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"

INTERIORS / FINISHES NOTES

1. REFER TO NORTH DIRECTIONAL ARROWS ON PLANS.
2. HOLLOW METAL DOORS FRAMES & INTERIOR WINDOW FRAMES SHALL BE PAINTED PT1, UNLESS OTHERWISE NOTED.
3. ALL FINISHES IN EXITS SHALL BE CLASS A RATED. ALL FINISHES IN CORRIDORS SHALL BE CLASS A OR CLASS B RATED.
4. THE FOLLOWING SHALL BE PAINTED UNLESS OTHERWISE STATED:
   - A. EXPOSED SPRINKLER PIPING, ELECTRICAL CONDUIT, AND WIRE MOLDING IN FINISHED AREAS.
   - B. EXPOSED DUCTWORK IN FINISHED AREAS.
   - C. EXPOSED BEAMS, JOISTS, DECK, AND COLUMNS IN FINISHED AREAS.
   - D. INTERIOR LINTELS
5. EXPOSED CEILINGS SHALL BE PAINTED PT4, UNLESS OTHERWISE NOTED.
6. REFER TO INTERIOR / FINISH PLANS FOR FLOOR FINISH PATTERNS AND DETAILS.
7. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION.
8. CEILING, FLOORS, AND WALLS IN FOOD PREPARATION AND SERVING AREAS SHALL BE WASHABLE.

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor Finish	Base Finish	WALLS North Wall	East Wall	South Wall	West Wall	Ceiling Finish	Millwork Counters
FLOOR LEVEL									
101	TICKETS	SC	RB1	PT1	PT1	PT1	PT1	ACT1	-
102	CONCESSIONS	SC	RB1	PT1	PT1	PT1	PT1	ACT2	SS1
103	ELECTRICAL	SC	-	PT1	PT1	PT1	PT1	OTS	-
104	WOMEN'S	SC	RB1	PT1	PT1	PT1	PT1	PT4	-
105	MECHANICAL	SC	-	PT1	PT1	PT1	PT1	OTS	-
106	MEN'S	SC	RB1	PT1	PT1	PT1	PT1	PT4	-

FINISH & MATERIAL LEGEND

MARK	DESCRIPTION	COMMENTS
CONCRETE		
SC	SEALED CONCRETE, PROSOCO OR EQ., LIGHT BROOM WITH SEALER	
BASE		
RB1	RUBBER BASE; TARKETT; TRADITIONAL VINYL 4"; COLOR: 100 BLACK	
CEILING		
ACT1	ARMSTRONG; SUSPENDED ACOUSTICAL CEILING; SIZE:24" X 24" COLOR WHITE; PRELUDE XL 15/16" EXPOSED TEE IN WHITE; GRID COLOR: WHITE	
ACT2	ARMSTRONG; KITCHEN ZONE SMOOTH TEXTURE; SIZE: 24" X 24"; COLOR: WHITE: GRID: PRELUDE XL 15/16" EXPOSED TEE; GRID COLOR: WHITE	
GYP1	GYPSUM BOARD CEILINGS; FINISH WITH LEVEL 4 FINISH, INCLUDING EXPOSED SIDES	
OTS	OPEN TO STRUCTURE	
PAINT		
PT1	SHERWIN WILLIAMS; COLOR: PASSIVE GRAY SW7064, SATIN FINISH	
PT2	SHERWIN WILLIAMS; COLOR: BLUE TO MATCH WILL ROGERS HIGH SCHOOL COLOR, SEMI-GLOSS FINISH	
PT3	SHERWIN WILLIAMS; COLOR: TO MATCH EXISTING DOOR FRAMES, SEMI-GLOSS FINISH	
PT4	SHERWIN WILLIAMS, COLOR: HIGH REFLECTIVE WHITE SW7757, DRYFALL	
STAINLESS STEEL		
SS1	STAINLESS STEEL COUNTERTOP	

SPECIALTIES SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL
BS1	BABY CHANGING STATION	KOALA CORP.	KB110-SSWM
FEC	SEMI RECESSED FIRE EXTINGUISHER CABINET	SEE SPECS	
GB	GRAB BARS	BRADLEY	812
HD1	HAND DRYER	SLOAN XLERATOR	051-CP
M1	MIRROR - ROLL-FORMED CHANNEL FRAME, TEMPERED GLASS	BRADLEY	780-1836-2
SD1	SOAP DISPENSER		
SD2	SOAP DISPENSER - ADA HEIGHT		
SND1	SANITARY NAPKIN DISPOSAL UNIT	BRADLEY	4722-15
TP1	TOILET PARTITION - FLOOR MOUNTED/OVERHEAD BRACED	ASI ACCURATE PARTITIONS	
TP2	URINAL SCREEN - WALL HUNG	ASI ACCURATE PARTITIONS	
TTD1	TOILET TISSUE DISPENSER	KIMBERLY-CLARK	09507

NOTES

1. WASTE AND HOT WATER PIPING TO BE INSULATED AT ACCESSBILE LAVATORIES AND SINKS
2. MOUNTING HEIGHT FOR ALL OPERATING PARTS OF MISCELLANEOUS ACCESSORIES IS 15" AFF MIN. AND 48" AFF MAX. (FIRE ALARMS, SECURITY, THERMOSTATS, ETC.)
3. PROVIDE CONCEALED SOLID BLOCKING IN STUD WALLS FOR ACCESSORY MOUNTING.
4. REFER TO PLANS AND ELEVATIONS FOR REQUIRED ACCESSORIES.

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REVISIONS

FINISH PLAN, SCHEDULE, AND LEGEND

JOB 2022.09
ISSUE 02/09/2023
DRAWN BY: BLB
CHK'D BY: DRR

A700

SCALE As indicated

STATE OF OKLAHOMA
DAVID R. REED
11102
TULSA, OK
LICENSED ARCHITECT
2/9/2023

2/8/2023 5:01:32 PM

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1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

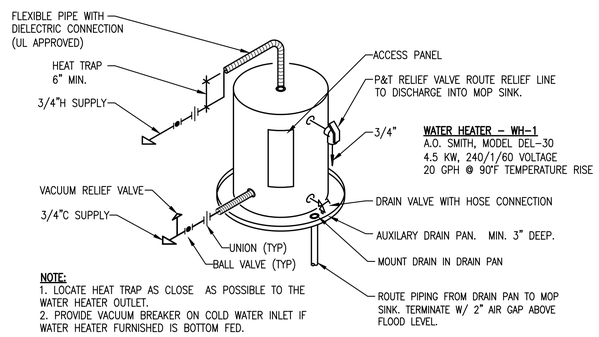
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE COLOR	FIXTURE TYPE	SIZE MODEL #	MANUFACTURER	CARRIER TRAP	PIPING CONNECTIONS (IN) SOIL	VENT	CW	HW	REMARKS/ACCESSORIES
WC-1	WATER CLOSET	ELONGATED BOWL	KOHLER	FLOOR	(4)	(2)	(1-1/4)	-	1.28 GPF, SLOAN ROYAL OPTIMA 111 ES-S TMO FV, EL-154 XFMR(OPERATE 8 FLUSH VALVES), BEMIS 9500SSCT SEAT, WHITE OPEN FRONT W/SS CHECK HINGE
	WHITE	FV,VC	K-96053	INTEGRAL	4	2	1	-	
WC-1H	WATER CLOSET	ELONGATED BOWL	KOHLER	FLOOR	(4)	(2)	(1-1/4)	-	1.28 GPF, SLOAN ROYAL OPTIMA 111 ES-S TMO FV, EL-154 XFMR(OPERATE 8 FLUSH VALVES), BEMIS 9500SSCT SEAT, WHITE OPEN FRONT W/SS CHECK HINGE
	WHITE	ADA,FV,VC	K-96057	INTEGRAL	4	2	1	-	
UR-1&1H	URINAL	WASHOUT	KOHLER	ZURN Z1222	(2)	(1-1/2)	(1)	-	0.5 GPF SLOAN ROYAL OPTIMA 186-0.5 ES-S, TMO FV, EL-154 XFMR(OPERATE 8 FLUSH VALVES), TOP SPUD
	WHITE	VITREOUS CHINA	K-4991-ET	INTEGRAL	2	1-1/2	3/4	-	
L-1H	LAVATORY	3-STATION	BRADLEY	WALL	(2)	(1-1/2)	(1/2)	(1/2)	SPRAYHEAD WITH INFRARED CONTROL, SOLENOID VALVE, THERMOSTATIC MIXING VALVE.
	WHITE	WALL MOUNT	MG-3/IR	17GA. CP TUBE	1-1/2	1-1/2	1/2	1/2	
SK-1	SINK	25x22x12	ELKAY	COUNTERTOP	(2)	(2)	(1/2)	(1/2)	T&S BRASS B-0892-CR-HW FAUCET, GOOSENECK, AERATOR, LK35 STRAINER, CP SUPPLIES, WHEEL HANDLE STOPS, MIXING VALVE WATTS LFUSG-B.
	SS	SELF-RIMMING	DLR252212	17GA. CP TUBE	1-1/2	1-1/2	3/8	3/8	
FD-1	FLOOR DRAIN	6" STRAINER	ZURN	FLOOR	(3)	(2)	-	-	ADJUSTABLE TOP, SEDIMENT BUCKET, TRAP SEAL
	STD	CAST IRON	Z-415B-Y	DEEP SEAL C.I.	3	2	-	-	
MSB	MOP BASIN	24x24x10	FIAT	FLOOR	(3)	(2)	(1/2)	(1/2)	FAUCET 830-AA, BUCKET HOOK, 3/4" HOSE THREAD SPOUT, VACUUM BREAKER, 832-AA HOSE & WALL BRACKET, 36" HOSE, STAINLESS STEEL WALL GUARD MSG2424.
	STD	MOLDED STONE	MSB2424	3" DEEP SEAL	3	2	1/2	1/2	
HB	HOSE BIBB	CI BODY	WOODFORD	WALL	-	-	(3/4)	-	ANTI-SIPHON VACUUM BREAKER WITH 3/4" MALE HOSE, CONCEALED BOX W/DOOR, REMOVABLE KEY.
	STD	ANTI-SIPHON	MODEL B24	-	-	-	3/4	-	
DF-1	DRINKING FOUNTAIN	13x18x5	MURDOCK	CSC CARRIER	(2)	(1-1/2)	(1/2)	-	FRONT BUTTON, FREEZE RESISTANT OPTION FRA1, CANE SKIRT OPTION SK6, BLUE POWDER COATED BY ARCHITECT'S DIRECTIVE.
	SS	WALL MOUNT	GSC57	17GA. CP	1-1/4	1-1/4	3/8	-	
DF-1H	DRINKING FOUNTAIN	13x18x5	MURDOCK	CSC CARRIER	(2)	(1-1/2)	(1/2)	-	ADA MOUNTING HEIGHT, FRONT BUTTON, FREEZE RESISTANT OPTION FRA, BLUE POWDER COATED BY ARCHITECT'S DIRECTIVE.
	SS	WALL MOUNT	GSC57	17GA. CP	1-1/4	1-1/4	3/8	-	

NOTES:
1. ALL WALL MOUNTED EQUIPMENT TO BE PROVIDED WITH ADDITIONAL REINFORCING IN WALL CONSTRUCTION.
2. ALL LAVATORY AND SINK SUPPLIES TO BE CHROME PLATED WITH STOP VALVES.
3. LOCATE FLUSH VALVES FOR HANDICAP ACCESSIBLE WATER CLOSETS WITH ACTUATOR ON WIDE ACCESS SIDE OF FIXTURE.
4. INSULATE HANDICAP ACCESSIBLE LAVATORY TAILPIECE, WASTE P-TRAP, HOT WATER SUPPLY, AND COLD WATER SUPPLY WITH TRU-BRO MODEL 102 & 105

PLUMBING SYMBOL LEGEND

	SANITARY SEWER (UNDER FINISHED FLOOR)
	SANITARY SEWER (ABOVE FINISHED FLOOR)
RL	RAIN LEADER (UNDER FINISHED FLOOR)
RL	RAIN LEADER (ABOVE FINISHED FLOOR)
	DOMESTIC COLD WATER (C)
	DOMESTIC HOT WATER (H)
	PLUMBING VENT
	ELBOW DOWN
	TEE DOWN
	ELBOW UP
	TEE UP
	CAP
	CONNECT TO EXISTING
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
	TWIN CLEANOUT
	FLOOR DRAIN
VTR	VENT THROUGH ROOF
FPHB	FREEZE PROOF HOSE BIBB
	THERMOMETER
	BALL VALVE
	P&T RELIEF VALVE
	SHUT-OFF VALVE IN VERTICAL
	UNION
	GAS REGULATOR
	GAS SHUT-OFF VALVE



WATER HEATER - WH-1
A.O. SMITH, MODEL DEL-30
4.5 KW, 240/1/60 VOLTAGE
20 GPH @ 90°F TEMPERATURE RISE

NOTE:
1. LOCATE HEAT TRAP AS CLOSE AS POSSIBLE TO THE WATER HEATER OUTLET.
2. PROVIDE VACUUM BREAKER ON COLD WATER INLET IF WATER HEATER FURNISHED IS BOTTOM FED.

1 WATER HEATER DIAGRAM
Sale: NTS

PLUMBING GENERAL NOTES:

A. WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.

B. VERIFY LOCATION AND SIZE OF ALL PLUMBING SERVICES INDICATED TO BE EXTENDED, TIED-TO, FOR NEW WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.

C. ESTABLISH LOCATION AND SIZE OF UTILITY SERVICES PRIOR TO BUILDING ROUGH-IN. COORDINATE LOCATION OF BUILDING SERVICE ENTRANCES AND SYSTEM PIPE ROUTING WITH UTILITY SERVICE MAINS ON SITE AND SITE FEATURES AND CONDITIONS.

D. VERIFY FLOW LINE INVERTS OF BUILDING MAIN SEWER EXIT(S) REQUIRED FROM FURTHERMOST BRANCH LINE AND SITE SEWER TIE-IN LOCATION INVERT PRIOR TO BEGINNING BUILDING ROUGH-IN. NOTIFY ARCHITECT IF ADEQUATE FALL BETWEEN BUILDING AND SEWER CONNECTION CANNOT BE ACHIEVED.

E. LAY OUT THE PLUMBING SYSTEM IN CAREFUL COORDINATION WITH THE DRAWINGS, DETERMINING PROPER ELEVATION FOR ALL COMPONENTS OF THE SYSTEM. FOLLOW THE GENERAL LAYOUT SHOWN ON DRAWINGS IN ALL CASES EXCEPT WHERE OTHER WORK MAY INTERFERE.

F. INSTALL PIPING PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS, DOORS AND FEATURES.

G. LAY OUT PIPES TO FALL WITHIN PARTITIONS OR CHASES. DO NOT REQUIRE FURRING OTHER THAN THOSE SHOWN ON THE DRAWINGS.

H. DO NOT INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS. WHERE BUILDING DESIGN FORCES INSTALLATION OF PIPING IN EXTERIOR WALLS, INSTALL PIPING ON ROOM SIDE OF EXTERIOR WALL INSULATION AND INCREASE PIPE INSULATION THICKNESS REQUIRED TO NEXT STANDARD THICKNESS WITH A MINIMUM THICKNESS OF 1-1/2 INCHES.

I. NO FIXTURE TRAP SHALL BE INSTALLED INSIDE EXTERIOR WALLS.

J. MAKE CHANGES IN PIPE SIZE NOTED ON THE PLANS AFTER LAST FITTING OF LARGER PIPE. WHEN SUPPLY PIPES ARE LARGER THAN EQUIPMENT TAPINGS, REDUCE SIZE IMMEDIATELY PRIOR TO ENTRY.

K. MAKE CHANGES IN DIRECTION WITH MANUFACTURED STANDARD PIPE FITTINGS.

L. CAP ALL PIPE OPENINGS DURING CONSTRUCTION.

M. LABEL PIPING TO IDENTIFY SYSTEM TYPE AND DUTY. FOR ROGERS HIGH SCHOOL, FOLLOW ESTABLISHED IDENTIFICATION NOMENCLATURE.

N. COORDINATE LOCATION AND METHOD OF ATTACHMENT OF HANGERS AND SUPPORTS FOR PIPING SYSTEM TO BUILDING STRUCTURE WITH THE ARCHITECT AND STRUCTURAL ENGINEER. ESTABLISH PROPOSED LOCATIONS OF SYSTEM PIPE ANCHORS AND OBTAIN APPROVAL FROM THE ARCHITECT AND STRUCTURAL ENGINEER.

O. SLEEVE PIPING THROUGH EXTERIOR WALLS, FIRE AND SMOKE RATED WALLS AND ASSEMBLIES, ON GRADE SLAB FLOORS. ANNULAR SPACE BETWEEN PIPE AND SLEEVE SHALL BE CAULKED AND SEALED. FIRE RATED PENETRATIONS SHALL BE FIRE STOPPED TO MEET RATING OF CONSTRUCTION PENETRATED. EXTEND SLEEVES A MINIMUM OF 2 INCH ABOVE FLOOR PENETRATIONS IN POTENTIALLY WET AREAS SUCH AS MECHANICAL AND EQUIPMENT ROOMS.

P. DOMESTIC WATER PIPING SHALL BE INSTALLED TO SLOPE TO DRAIN POINTS. WHERE CONDITIONS DICTATE TRAPPED SECTION OF PIPING, A DRAIN VALVE OR CAPPED TEE SHALL BE INSTALLED TO FACILITATE DRAINING OF THE TRAPPED SECTION OF PIPING.

Q. THOROUGHLY FLUSH DOMESTIC WATER PIPING. SCREENED OUTLETS SHALL BE REMOVED DURING FLUSHING PROCESS AND REINSTALLED AT COMPLETION.

R. INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING.

S. COPPER AND PLASTIC PIPING INSTALLED IN STUD WALLS SHALL BE PROTECTED WITH MINIMUM 1/16 INCH SHIELD PLATES EXTENDING BEYOND THE PIPE IN ALL DIRECTIONS.

T. INSTALL SHUT-OFF VALVES IN HOT WATER AND COLD WATER LINES AHEAD OF CONNECTIONS TO ALL PLUMBING FIXTURES & EQUIPMENT.

U. REVIEW CONNECTION REQUIREMENTS OF ACTUAL EQUIPMENT FURNISHED PRIOR TO ROUGH-IN. (THIS INCLUDES EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, ANY OTHER DIVISION WORK, OR THE OWNER.) ADJUST ROUGH-IN TO MEET INSTALLATION REQUIREMENTS.

V. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND DIMENSIONED LOCATIONS OF PLUMBING FIXTURES. FIXTURES DESIGNATED FOR HANDICAP USE SHALL BE INSTALLED TO MEET MOST CURRENT APPLICABLE ADA AND/OR ANSI REQUIREMENTS FOR INSTALLATION CLEARANCE AND ACCESS.

W. FLOOR DRAINS AND CLEANOUTS SHALL BE FURNISHED WITH TOP AND TRIM COMPATIBLE WITH FLOOR COVERING MATERIAL. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISH ALTERNATES AFFECTING FLOOR DRAIN AND CLEANOUT TRIM REQUIREMENTS.

X. ALL FLOOR DRAINS TO HAVE A MINIMUM WATER SEAL OF 3 INCHES.

Y. SLOPE FLOOR TO DRAIN AS NOTED ON THE ARCHITECTURAL DRAWINGS. FLOOR DRAINS SHALL NOT BE INSTALLED WITH "DUCK NEST" AROUND DRAIN.

Z. PROVIDE FUNNEL RECEPTOR FOR FLOOR DRAINS WHERE REQUIRED TO PREVENT SPILLAGE FROM INDIRECT WASTE LINES.

AA. FLOOR CLEANOUTS SHALL BE LOCATED A MINIMUM OF 18 INCHES CLEAR FROM WALLS AND OBSTRUCTIONS TO SERVICE.

AB. LOCATE CLEANOUTS AT CHANGES OF DIRECTION AND NO MORE THAN 50-FT. O/C. INSIDE THE BUILDING AND 100 FT. O/C. FOR EXTERIOR PIPING. PROVIDE ADDITIONAL CLEANOUTS AS NOTED AND/OR REQUIRED TO FULLY CLEAN AND SERVICE PIPING SYSTEMS.

AC. INSTALL A CLEANOUT AT THE FOOT OF EACH SINK WASTE STACK.

AD. PROVIDE ACCESS DOORS FOR ALL INACCESSIBLE VALVES AND CLEANOUTS.

AE. COORDINATE LOCATION OF TERMINATION OF VENT PIPING WITH OTHER TRADES AND ARCHITECTURAL FEATURES AND CONDITIONS. MAINTAIN REQUIRED CLEARANCES TO OUTSIDE AIR INTAKES, WINDOWS, ETC. AS REQUIRED BY LOCALLY ACCEPTED CODE.

AF. RUN ALL DRAIN LINES FROM EQUIPMENT OVERFLOW RECEIVERS, ETC. TO FLOOR/ HUB DRAINS. DRAIN LINES SHALL BE HARD DRAWN COPPER INSTALLED WITH MINIMUM 1/8 INCH PER FOOT SLOPE SECURED BY GUIDES AND SUPPORTS FOR PIPE SIZE SHOWN. NO DRAIN LINE TO BE SMALLER THAN 3/4 INCH. INSTALL TEE AT EACH ELBOW OF CONDENSATE DRAIN WITH CLEANOUT PLUG ON BLIND TEE.

AG. REFER TO ARCHITECTURAL DRAWINGS AND DIVISION 1 SPECIFICATIONS FOR DESCRIPTION OF ALTERNATES.

GAS PIPING GENERAL NOTES:

A. WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.

B. FURNISH AND INSTALL INDIVIDUAL GAS SHUT-OFF VALVE AND UNION AT EACH GAS FIRED APPLIANCE AND BUILDING PENETRATION THRU ROOF OR EXTERIOR WALLS.

C. GAS SHUT OFF VALVE SHALL BE FULL SIZE OF REQUIRED EQUIPMENT BRANCH RUNOUT PIPE SIZE BASED ON GAS PRESSURE AND FURTHERMOST PIPE DISTANCE FROM GAS METER OR POINT OF PRESSURE REDUCTION. RUNOUT PIPE SHALL NOT BE REDUCED TO EQUIPMENT CONNECTION PIPE SIZE UNTIL IMMEDIATELY AHEAD OF CONNECTION TO EQUIPMENT. VALVES SHALL NOT BE LOCATED ABOVE CEILINGS.

D. BRANCH GAS PIPING SHALL BE CONNECTED TO THE TOP OR SIDE OF HORIZONTAL PIPING.

E. GAS PIPING SHALL NOT BE INSTALLED IN CONCEALED LOCATIONS UNLESS PROPERLY SLEEVED AND VENTED TO THE OUTSIDE OF THE BUILDING. WHERE VERTICAL CHASES ENCLOSE PIPE RISERS, CHASES SHALL BE FIRE RATED AND VENTILATED AT THE TOP WITH FREE AREA VENTS EQUAL TO OR GREATER THAN ONE-HALF THE SERVICE PRESSURE IN INCHES WATER COLUMN TIMES THE NOMINAL DIAMETER OF THE PIPE. GAS PIPING JOINTS WITHIN CONCEALED SPACES SHALL BE WELDED.

F. GAS PIPING SHALL NOT BE INSTALLED BELOW BUILDING SLAB UNLESS SPECIFICALLY INDICATED. WHERE INDICATED TO BE BELOW SLAB, PIPING SHALL BE SLEEVED AND VENTED TO THE OUTSIDE.

G. INSTALL GAS PIPING AT UNIFORM GRADE OF 0.1 PERCENT SLOPE UPWARD TOWARDS RISERS.

H. USE ECCENTRIC REDUCERS TO MAKE REDUCTIONS IN PIPE SIZES IN HORIZONTAL PIPING. INSTALL FITTINGS WITH LEVEL SIDE ON BOTTOM OF PIPING.

I. INSTALL PIPING SO AS TO ALLOW FOR SERVICE AND MAINTENANCE OF EQUIPMENT AND APPLIANCES.

J. OPEN ENDS OF GAS PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT INTRODUCTION OF FOREIGN MATERIALS. VALVE AND PIPING OUTLETS SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND LEFT CLOSED UNTIL FINAL CONNECTION TO EQUIPMENT OR APPLIANCES.

K. ANCHOR PIPING TO CONTROL PIPE MOVEMENT. LOCATION OF ANCHOR POINTS SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.

L. PROVIDE DOUBLE 90 DEGREE OFFSETS IN PIPING RUNOUTS TO ROOF MOUNTED GAS FIRED EQUIPMENT AND ROOF PENETRATIONS. INSTALL PIPING WITH DISTANCE BETWEEN ELBOWS TO ALLOW FOR MOVEMENT OF PIPING SYSTEM.

M. DIVISION 22 CONTRACTOR SHALL WIRE BRUSH AND PAINT ALL GAS PIPE AND ACCESSORIES EXPOSED TO WEATHER. PAINT COLOR TO BE PER ARCHITECT'S DIRECTION, UNLESS SPECIFICALLY DICTATED BY LOCAL CODE.

N. GAS PIPING SHALL ENTER THE BUILDING A MINIMUM OF 12 INCHES ABOVE FINISHED GRADE.

O. LOCATE PIPING SUPPORTS AWAY FROM PIPE JOINTS TO ALLOW FREE MOVEMENT OF PIPING WITHOUT INTERFERENCE OF PIPE SUPPORTS.

P. THE CONTRACTOR IS TO VERIFY THE FINAL APPROVED LOCATION OF THE GAS SERVICE METER AND/OR PRESSURE REDUCING STATION AND ADJUST THE GAS PIPE SIZES INDICATED FOR THE TOTAL SYSTEM LENGTH IF DIFFERENT FROM THE DISTANCE LISTED OR SHOWN ON THE DRAWINGS. DRAWINGS INDICATING THE SYSTEM REVISIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.

Q. COORDINATE INSTALLATION OF GAS SERVICE METER AND PRESSURE REGULATING STATIONS WITH THE GAS UTILITY COMPANY. PROVIDE ALL VALVES AND PIPING ARRANGEMENT FOR INSTALLATION OF THE SERVICE GAS METER AND PRESSURE REGULATING EQUIPMENT AS DIRECTED BY THE GAS UTILITY COMPANY.

R. PLASTIC GAS SERVICE PIPE SHALL BE INSTALLED WITH AN INSULATED COPPER TRACE WIRE NO LESS THAN 18 GAUGE LOCATED ADJACENT TO THE TOP OF THE PIPING. THE COPPER TRACE WIRE SHALL EXTEND TO GRADE AND TERMINATE AT EACH END OF THE PLASTIC SERVICE PIPING. A CONTINUOUS PLASTIC BANNER LABELED "CAUTION - GAS PIPING" SHALL BE INSTALLED 12 INCHES ABOVE ALL BURIED GAS PIPING.

S. TRANSITION RISER FROM PLASTIC SERVICE PIPING TO BLACK STEEL BUILDING PIPING IS TO BE MADE BELOW GRADE. BLACK STEEL PIPING EXTENDING BELOW GRADE SHALL BE FURNISHED WITH FACTORY APPLIED CORROSION RESISTANT POLYETHYLENE COATING. PROVIDE ANODE FOR CATHODTIC PROTECTION.

T. WHERE GAS SERVICE UNDERGROUND PIPING RISES THROUGH PAVING OR CONCRETE SURFACES, PROVIDE PIPE SLEEVE TWO PIPE SIZES LARGER THAN INSTALLED PIPING. EXTEND SLEEVE A MINIMUM OF 1 INCH ABOVE FINISHED SURFACE AND DEEPER THAN DEPTH OF PAVING OR CONCRETE. FILL SLEEVE VOID WITH SMALL, ROUNDED, WASHED GRAVEL.

U. EACH ABOVE GROUND PORTION OF METAL PIPING GAS SYSTEM UPSTREAM OF EQUIPMENT SHUT-OFF VALVES SHALL BE ELECTRICALLY CONTINUOUS AND BONDED TO GROUNDING ELECTRODE PER NFPA 70 AND NFPA 54.

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"The Team You Trust"

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CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

PLUMBING GENERAL NOTES AND SCHEDULES

JOB	RAI Project Number
ISSUE	02/09/2023
DRAWN BY:	DMS,DSP
CHK'D BY:	GDG,TEM

P001

SCALE: AS SHOWN

REGISTERED PROFESSIONAL ENGINEER GAYLE D. GWINUP 15478 OKLAHOMA 2/9/23

Z:\2022\Reed Architects\Will Rogers Bleachers and Concession Stand\Will Rogers Visitors Addition-Pricing Set\Dwg\P001.dwg, 2/9/2023 2:45:02 PM, DawnSantee

1/16"=1'-0" 0 8' 16' 32' | 3/32"=1'-0" 0 4' 8' 16' 32' | 1/8"=1'-0" 0 4' 8' 16' | 1/4"=1'-0" 0 2' 4' 8' | 1/2"=1'-0" 0 1' 2' 4' | 3/4"=1'-0" 0 1' 2' | 1"=1'-0" 0 6" 1' 2' | 1 1/2"=1'-0" 0 3" 6" 1' | 3"=1'-0" 0 3" 6"

KEYNOTES: (X)

1. ALL EXTERIOR CLEANOUTS SHALL BE FLUSH WITH FINISHED GRADE INSTALLED IN CONCRETE. CONCRETE SHALL EXTEND A MINIMUM OF 12 INCHES IN ALL DIRECTIONS AND A MINIMUM OF 8 INCHES THICK.

2. VTR'S SHALL BE NO CLOSER THAN 10' TO ANY HVAC OUTDOOR AIR INTAKE.

3. ALL WASTE AND WATER PIPING PASSING THRU OR UNDER BUILDING FOOTINGS SHALL BE SLEEVED.

4. COORDINATE FINAL LOCATION OF EXTERIOR DRINKING FOUNTAINS WITH FINAL ARCHITECTURAL FLOOR PLAN. FINAL MOUNTING HEIGHT OF DRINKING FOUNTAINS TO BE DIRECTED BY THE ARCHITECT. IN MECHANICAL ROOM, MAINTAIN 3 FOOT ACCESS CLEARANCE TO ALL DRINKING FOUNTAIN SERVICE PANELS. COORDINATE WITH DIVISION 23 WORK.

5. FLOOR CLEANOUTS SHALL BE FLUSH WITH FLOOR. CLEANOUT SHALL NOT BE INSTALLED CLOSER THAN 18" TO ANY WALL. COORDINATE WITH ARCHITECT FOR FINAL FINISH OF CLEANOUT AND FLOORING MATERIALS.

6. PROVIDE METAL STAND FOR WATER HEATER. STAND SHALL EXTEND A MINIMUM OF 6" IN ALL DIRECTION OF WATER HEATER AND SHALL BE 2'-0" MINIMUM ABOVE FINISHED FLOOR. PROVIDE DRAIN PAN UNDER WATER HEATER. PROVIDE WATER SENSOR ON THE MECHANICAL ROOM FLOOR TO SHUT THE MOTORIZED VALVE ON COLD WATER SERVICE STANDPIPE. COORDINATE WITH CONSTRUCTION MANAGER AND TPS CONTROLS CONTRACTOR FOR FINAL INSTALLATION REQUIREMENTS AND FINAL SENSOR LOCATIONS.

7. ROUTE T&P RELIEF VALVE RUN-OUT PIPING IN COPPER TO MSB.

8. INSTALL FULL PORT BALL VALVES FOR BRANCH SHUT-OFF. LOCATE VALVES FOR COMPLETE ACCESS.

9. DOMESTIC WATER SERVICE ENTRY FOR BUILDING. REFER TO CIVIL DRAWINGS FOR CONTINUATION. SERVICE SIZED FOR 85 GPM AT 65 PSI. IF FINAL PRESSURE EXCEEDS 80 PSI, PROVIDE PRESSURE REGULATOR AND SET TO 65 PSI.

10. PROVIDE SLEEVE FOR WATER PIPING PASSING THROUGH SLAB OR CMU WALLS. SEAL SPACE BETWEEN PIPE AND SLEEVE WITH WATERPROOF CAULKING. EXTEND SLEEVE AT WATER RISER 2 INCHES ABOVE FINISHED FLOOR.

11. COLD WATER SUPPLY SHALL BE INSTALLED AS A HEADER WITH VALVED RISERS. PROVIDE MANUAL MAIN WATER SHUT-OFF VALVE AT 18 INCHES AFF. INSTALL A FULL PORT DRAIN VALVE WITH A HOSE CONNECTION IMMEDIATELY ABOVE MAIN SHUT-OFF VALVE (LOCK DRAIN VALVE IN CLOSED POSITION). PROVIDE AND INSTALL FLOW MONITORING DEVICE (INCLUDING TEE, BALL VALVE, AND WELL AS REQUIRED) IN PIPE ABOVE MANUAL DRAIN VALVE. PROVIDE A FULL PORT ISOLATION BALL VALVE IN MAIN SERVICE ENTRY LINE IMMEDIATELY DOWNSTREAM OF FLOW MONITORING DEVICE. COORDINATE WITH CONSTRUCTION MANAGER AND TPS CONTROLS CONTRACTOR TO PROVIDE CONTROLS SCOPE OF WORK RELATED TO FLOW MONITORING DEVICE COMMUNICATIONS TO BUILDING BMS/EMS.

12. INSTALL PIPING TO DRAIN BACK TO DRAIN VALVE LOCATED IN MECHANICAL ROOM, ABOVE BUILDING SHUT-OFF VALVE. RE: KEYNOTE 11.

13. GAS SERVICE SHALL ROUTE TO SERVE GAS-FIRED EQUIPMENT IN MECHANICAL ROOM. INSTALL FULLY ACCESSIBLE SHUT-OFF VALVE AT BUILDING 18 INCHES ABOVE FINISHED GRADE. PROVIDE A UNION AFTER SHUT-OFF VALVE. GAS PIPE SIZED FOR A DISTANCE OF 100 FEET WITH A DEMAND OF 110 MBH AT A PRESSURE OF 0.5 PSI. NOTIFY ENGINEER IF DISTANCE OR PRESSURE VARIES.

14. SECURE GAS PIPING IN VERTICAL RISE USING UNI-STRUT AND PIPE CLAMPS. PAINT ALL EXPOSED GAS PIPE AS DIRECTED BY ARCHITECT.

15. ROUTE GAS PIPING FROM ROOF TO FURNACE POINT OF CONNECTION. SECURE PIPING IN VERTICAL RISE USING UNI-STRUT AND PIPE CLAMPS. INSTALL SHUT-OFF VALVE, UNION, AND A MINIMUM 6 INCH DIRT LEG AT CONNECTION TO GAS-FIRED EQUIPMENT.

16. INSTALL HOSE BIBB AT 24 INCHES ABOVE FINISHED FLOOR.

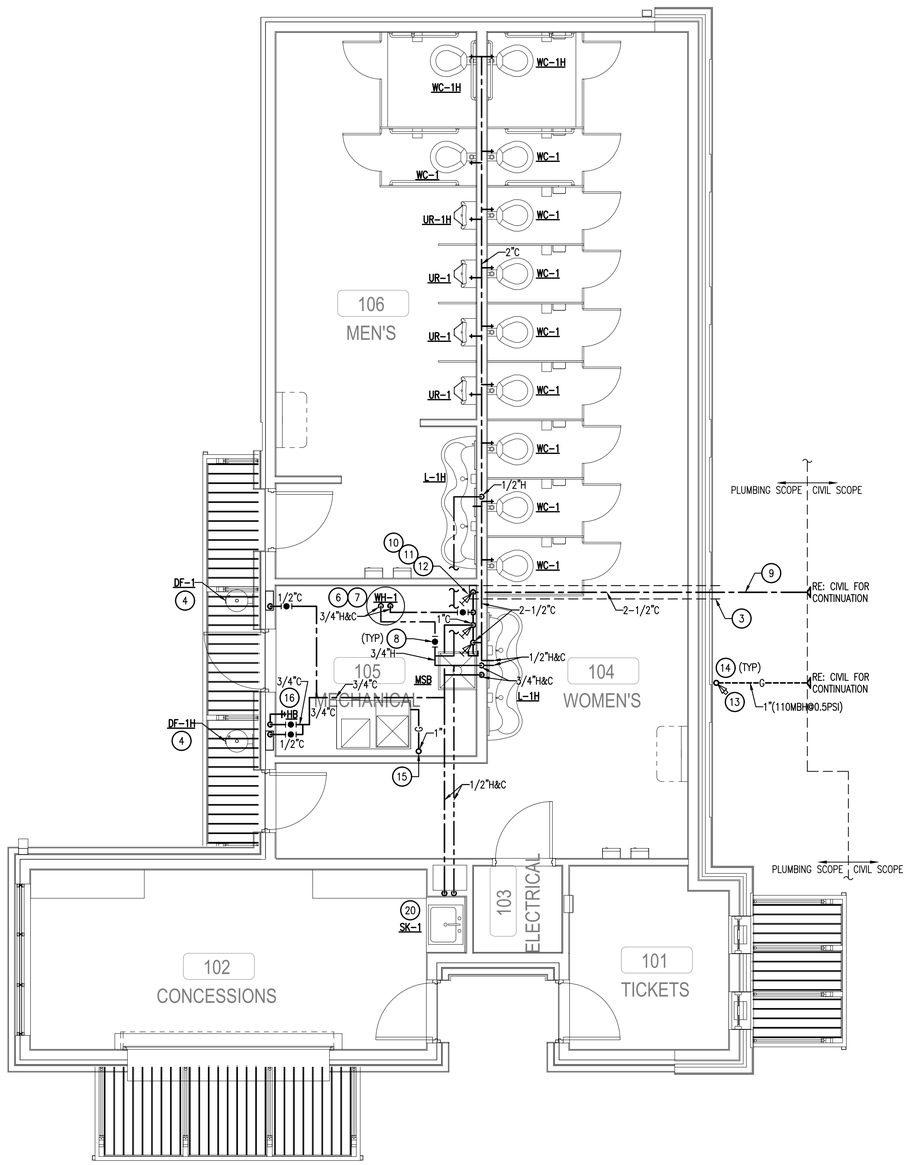
17. PROVIDE AND INSTALL SANITARY SEWER CLEANOUT TO BE FULLY ACCESSIBLE. PROVIDE EITHER GROUND CLEANOUT OR WALL CLEANOUT CONTINGENT ON FINAL SITE FINISH GRADE CONDITIONS AND SERVICE ACCESSIBILITY.

18. COORDINATE ABOVE SLAB WASTE ROUTING WITH FURNACE, WATER HEATER, DOMESTIC WATER SERVICE ENTRY IN MECHANICAL ROOM, AND ELECTRIC WALL HEATER.

19. PROVIDE 18"X18" ACCESS PANEL WITH VANDAL-RESISTANT HARDWARE. PANEL SHALL BE INSTALLED TO ALLOW COMPLETE ACCESS TO HUB DRAIN LOCATED IN CAVITY BETWEEN WALLS. INSTALL INLET OF HUB DRAIN AT APPROXIMATELY 24 INCHES ABOVE FINISHED FLOOR. PROVIDE BOWL AT HUB DRAIN INLET THAT IS ONE PIPE SIZE LARGER THAN DRAIN CONNECTION. PERMANENTLY LABEL PANEL TO IDENTIFY SERVICE ACCESS.

20. ROUTE HOT AND COLD WATER SUPPLY LINES TO SINK FAUCET. LOCATE SERVICE VALVES FULLY ACCESSIBLE UNDER SINK. PROVIDE FLEXIBLE HOSE CONNECTIONS TO PROPER LENGTH AS REQUIRED.

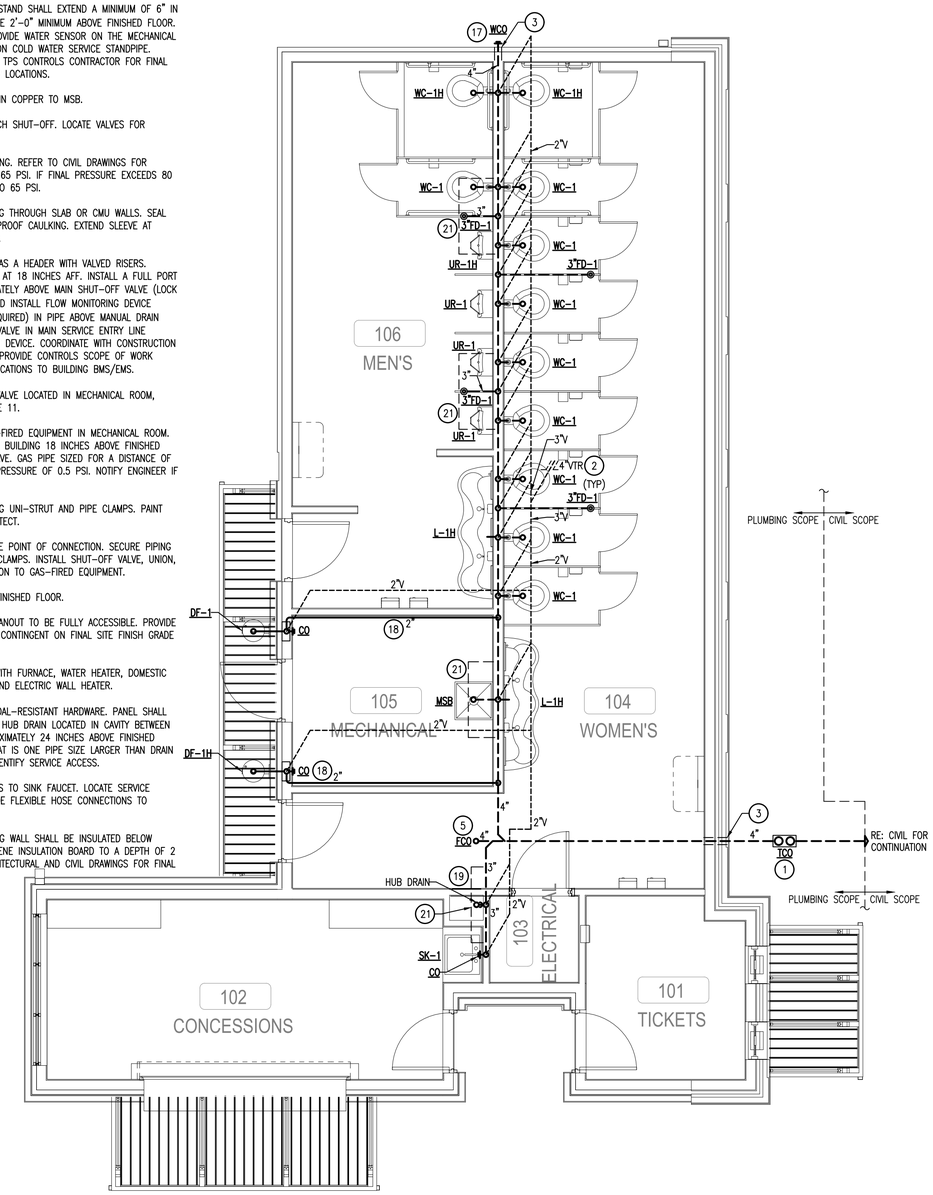
21. WASTE TRAPS BELOW GRADE NEAR RETAINING WALL SHALL BE INSULATED BELOW GRADE WITH 2 INCH RIGID EXTRUDED POLYSTYRENE INSULATION BOARD TO A DEPTH OF 2 FEET BELOW THE TRAP. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS FOR FINAL LOCATION OF RETAINING WALL.



2 WATER AND GAS PLAN

Scale: 1/4" = 1'-0"

NORTH



1 WASTE AND VENT PLAN

Scale: 1/4" = 1'-0"

NORTH

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CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

PLUMBING PLANS

JOB	RAI Project Number
ISSUE	02/09/2023
DRAWN BY:	DMS,DSP
CHK'D BY:	GDG,TEM

REGISTERED PROFESSIONAL ENGINEER
GAYLE D. GWINUP
15478
OKLAHOMA
2/9/23

P101

SCALE: AS SHOWN

Z:\2022\Reed Architects\Will Rogers Bleachers and Concession Stand\Will Rogers Visitors Addition-Pricing Set\Dwg\P101.dwg, 2/9/2023 2:45:05 PM, DawnSantee

MECHANICAL SYMBOL LEGEND

	SUPPLY DIFFUSER, 4-WAY THROW
	RETURN GRILLE
	EXHAUST GRILLE OR FAN
	SIDEWALL AIR DEVICE
	RUNOUT BALANCE DAMPER
	MANUAL DAMPER
	OPPOSED BLADE DAMPER, MOTORIZED
	FLEX DUCT RUNOUT
	DUCT TRANSITION (ONE LINE)
T	THERMOSTAT
S	SENSOR

FURNACE SCHEDULE

FURNACE			
MARK	F-1		
MANUFACTURER	LENNOX		
MODEL NO.	EL296UH110XE60C		
HEATING CAPACITY INPUT (MBH)	110	OUTPUT (MBH)	106
CFM	2000		
OUTSIDE AIR (CFM)	300		
TOTAL E.S.P. (IWG)	0.5		
FAN (H.P.)	1		
ELECTRICAL DATA VOLTAGE	120/1/60	M.C.A.	11
WEIGHT (LBS)	174		
NOTES	2,4,6,7,8		
ACCESSORIES	A,B,D		

NOTES:
1. COOLING CAPACITY LISTED BASED ON 95°F O.A., 80°F DB/67°F WB EAT.
2. SET UNIT LEVEL IN ALL DIRECTIONS.
3. PROVIDE CONCRETE PAD UNDER CONDENSING UNIT.
4. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND FEATURES.
5. ARRANGE CONDENSING UNITS TO ALLOW MANUFACTURER'S REQUIRED CLEARANCE FOR SERVICE AND AIR FLOW
6. PROVIDE SMOKE DETECTORS IN OUTDOOR AIR DUCTWORK FOR EACH FURNACE
7. FIELD INSTALL FILTER RACK FOR 2" THROWAWAY FILTERS. ARRANGE FOR BOTTOM RETURN TO UNIT.
8. ALL ROOM TEMPERATURE AND SENSOR WIRING IS TO HAVE 10 CONDUCTORS. REFERENCE ELECTRICAL SPECIFICATIONS FOR CONDUCTOR REQUIREMENTS AND INSTALLATION.
9. CFM LISTED IS NOMINAL REFER TO PLANS FOR ACTUAL.

ACCESSORIES:
A. MERV 8 PLEATED THROW AWAY FILTERS MINIMUM OF 35% EFFICIENCY.
B. CONCENTRIC VENT TERMINATION KIT FOR ROOF PENETRATION.
C. THERMOSTATIC EXPANSION VALVE.
D. TIME DELAY RELAY.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	SERVICE	MANUFACTURER	STYLE	MODEL NO.	MATERIAL	MOUNTING	FACE	NECK SIZE	FINISH	NOTES
A	SUPPLY	TITUS	EGGCRATE	50F	ALUMINUM	SURFACE	24x24	–	WHITE	1,2,3,4
B	RETURN	TITUS	EGGCRATE	50F	ALUMINUM	SURFACE	24x24	–	WHITE	1,2,3,4
C	EXHAUST	TITUS	1/2" SPACING-35° DEFLECTION	355FL	ALUMINUM	SURFACE	24x12	22x10	WHITE	1,2,3,4,5
D	OUTSIDE AIR	TITUS	EGGCRATE	50F	ALUMINUM	SURFACE	24x24	–	WHITE	1,2,3,4

NOTES:
1. COORDINATE LOCATION OF AIR DEVICES WITH CEILING GRID, LIGHT LOCATIONS, STRUCTURAL MEMBERS AND ARCH. FEATURES.
2. FINAL FINISH OF AIR DEVICES SHALL BE VERIFIED WITH OWNER.
3. PROVIDE PLENUM FOR DUCT CONNECTION OR SQUARE TO ROUND NECK, AS REQUIRED.
4. PAINT DUCT INTERIOR FLAT BLACK BEHIND AIR DEVICE.
5. PROVIDE OPPOSED BLADE DAMPER.
6. PROVIDE WITHOUT SCREW HOLES.
7. PROVIDE FOAM GASKET AT FRAME.
8. PROVIDE 1" FILTER FRAME AND FILTER.
9. COUNTER SUNK SCREW HOLES.
10. PANEL MOUNTED FRAME.
11. HEAVY DUTY MOUNTING FRAME

MINI SPLIT HEAT PUMP/ OUTDOOR UNIT SCHEDULE

MARK (OUTDOOR UNIT)	AREA SERVED	MANUFACTURER	MODEL NO.	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	SEER (EER)	ELECTRICAL DATA VOLTAGE	MCA	MOCP	WEIGHT (LBS)	NOTES	ACCESSORIES
HPU-1 (FCU-1A, 1B & 1C)	TICKET BOOTH & CONCESSIONS	LENNOX	MLB030S4M	28.0	28.0	22.5	208-230/1/60	25	40	170	1,2,3,4	A,B,C,D

NOTES:
1. COOLING CAPACITIES ARE BASED ON UNIT CFM SUPPLY AIR AND 80°F, EDB/67°F, EWB, WITH 95°F AIR ENTERING CONDENSER. EER IS BASED ON ARI CONDITIONS.
2. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL FEATURES AND REQUIREMENTS.
3. HEATING CAPACITIES ARE BASED ON 47°F O.A., 70°F EAT AT INDOOR FCU.
4. INTERLOCK OPERATION WITH INDOOR FCU'S, INDOOR UNIT POWERED BY OUTDOOR HEAT PUMP UNIT.

ACCESSORIES:
A. CRANKCASE HEATER.
B. R410A REFRIGERANT.
C. ELECTRONIC EXPANSION VALVE
D. SUPCO PRESSURE SWITCH.MODEL SLP0530.

FAN COIL UNIT SCHEDULE

MARK (INDOOR UNIT)	AREA SERVED	MANUFACTURER	MODEL NO.	CFM	O.A. CFM	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	ELECTRICAL VOLTAGE	RLA	MOCP	WT. (LBS.)	NOTES	ACCESSORIES
FCU-1A (HPU-1)	TICKET BOOTH	LENNOX	M22A009S4	255	15	9.0	9.5	208-230/1/60	0.9	FROM CU	40	1,2,3,4,7	A,C,D,E,F
FCU-1B & 1C (HPU-1)	CONCESSIONS	LENNOX	M22A009S4	300	15	9.0	9.5	208-230/1/60	0.9	FROM CU	40	1,2,3,4,6	A,C,D,E,F

NOTES:
1. COOLING CAPACITY LISTED BASED ON 95°F O.A., 80°F DB/67°F WB EAT.
2. R410A REFRIGERANT.
3. POWERED FROM OUTDOOR HEAT PUMP/CONDENSING UNIT.
4. HEATING CAPACITY LISTED BASED ON 47°F O.A., 70° EAT.
5. CFM LISTED IS FOR HIGH FLOW WITH DRY COIL.
6. CFM LISTED IS FOR MEDIUM FLOW WITH DRY COIL.
7. CFM LISTED IS FOR LOW FLOW WITH DRY COIL.

ACCESSORIES:
A. FILTERS.
B. LINEAR EXPANSION VALVE (LXV).
C. INTERLOCK OPERATION WITH OUTDOOR HEAT PUMP/CONDENSING UNIT.
D. HARD WIRED, WALL-MOUNTED, CONTROLLER.
E. AUXILIARY CONDENSATE PUMP.
F. RETURN AIR FILTER GRILLE.

FAN SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL NO.	CFM	E.S.P. I.W.G.	MAX RPM	SONES	H.P. (WATTS)	ELECTRICAL VOLTAGE	TYPE	NOTES	ACCESSORIES
EF-1	WOMEN'S RESTROOM	COOK	120C15D	900	0.5	1550	7.3	1/4	115/1/60	ROOF	1,3,6	CB,BS,GBD,DS
EF-2	MEN'S RESTROOM	COOK	101C15D	600	0.5	1550	8.5	1/8	115/1/60	ROOF	1,3,6	CB,BS,GBD,DS
EF-3	MECHANICAL	COOK	GC-166	100	0.5	1100	2.5	(42)	115/1/60	CEILING	2,6,7,9	CB,RH,IBD

NOTES:
1. BMS CONTROLLED.
2. SWITCH WITH LIGHTS.
3. SPEED CONTROL SWITCH AT UNIT, FACTORY INSTALLED.
4. SPEED CONTROL WALL SWITCH.
5. BELT DRIVE.
6. DIRECT DRIVE.
7. VIBRATION ISOLATION MOUNTING.
8. WALL SWITCH.
9. PROVIDE ALUMINUM GRILLE.
10. THERMOSTAT CONTROLLED.

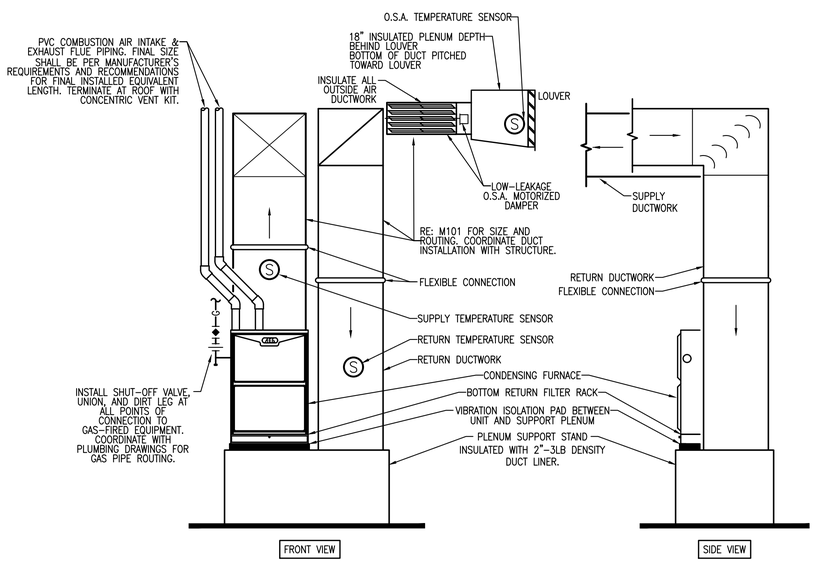
ACCESSORIES:
GBD-GRAVITY BACKDRAFT DAMPER
MBD-MOTORIZED BACKDRAFT DAMPER
BS-BIRD SCREEN
CB-24" CURB
DS-DISCONNECT SERVICE
RH-ROOF HOOD WITH TIE DOWN CLIPS
IBD-INTEGRAL BACKDRAFT DAMPER

ELECTRIC HEATER SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL NO.	AMPS	W	BTUs	VOLTAGE	NOTES	ACCESSORIES
FFH-1,2,3	WOMEN'S RESTROOM	MARKEL	E3383D-RP	12.5	1500	5120	120/1/60	1	A,C,D,G
FFH-4,5	MEN'S RESTROOM	MARKEL	E3383D-RP	12.5	1500	5120	120/1/60	1	A,C,D,G
FFH-6	MECHANICAL ROOM	MARKEL	HF1B5103N	13.7	3300	11200	240/1/60	2	A,C
BBH-1	CONCESSIONS	MARKEL	E2910-048S	8.3	1000	3413	120/1/60	3	B,C
BBH-2	TICKET BOOTH	MARKEL	E2903-024S	3.1	375	1275	120/1/60	3	B,C

NOTES:
1. INSTALL FAN FORCED HEATER FLUSH MOUNT TO CEILING. COORDINATE FINAL LOCATION WITH GRILLES, LIGHTS, OTHER CEILING MOUNTED EQUIPMENT, AND ARCHITECTURAL REFLECTED CEILING PLAN.
2. INSTALL HORIZONTAL FORCED FAN HEATER WITH THE TOP OF HEATER AT 9 FEET ABOVE FINISHED FLOOR. COORDINATE FINAL LOCATION OF HEATER WITH ARCHITECTURAL ELEMENTS AND THE WORK OF OTHER TRADES.
3. INSTALL BASEBOARD HEATER WITH THE BOTTOM OF THE HEATER AT 12 INCHES ABOVE FINISHED FLOOR. COORDINATE FINAL LOCATION OF HEATER WITH ARCHITECTURAL ELEMENTS. CONFIRM COLOR SELECTION WITH ARCHITECT.

ACCESSORIES:
A. CONTRACTOR PROVIDED REMOTE THERMOSTAT
B. FACTORY INSTALLED INTEGRAL THERMOSTAT (SPST)
C. DISCONNECT SERVICE
D. SURFACE MOUNTING ADAPTER
E. LOUVER OUTLET
F. 2X2 T-BAR MOUNTING KIT
G. VERIFY MOUNTING WITH ARCHITECTURAL CEILING PLAN.



1 FURNACE ELEVATION DIAGRAM
Scale: NTS

H.V.A.C. GENERAL NOTES:

A. WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.

B. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, ADHERING TO REQUIRED CLEARANCES FOR OPERATION AND SERVICING.

C. ELECTRICAL REQUIREMENTS OF FURNISHED AND INSTALLED DIVISION 23 EQUIPMENT AND SYSTEM COMPONENTS SHALL BE PROVIDED IN WRITING BY THE DIVISION 23 CONTRACTOR TO THE DIVISION 26 CONTRACTOR FOR INCLUSION AND COORDINATION OF DIVISION 26 WORK.

D. PROVIDE FLEXIBLE DUCT CONNECTION TO FAN COIL UNITS, FURNACES, ETC.

E. DUCTWORK CONSTRUCTION AND INSTALLATION SHALL BE PER MOST RECENT SMACNA STANDARDS FOR PRESSURE AND DUCT DIMENSION OF SYSTEM INSTALLATION. ALL DUCT JOINTS SHALL BE SEALED AS NOTED IN THE SPECIFICATIONS.

F. DUCT SIZES SHOWN ON DRAWING ARE INSIDE CLEAR.

G. MAKE TRANSITION FROM DUCTWORK SIZES SHOWN ON THE DRAWINGS TO EQUIPMENT DUCT CONNECTION SIZES. VERIFY EQUIPMENT CONNECTION SIZES WITH FACTORY CERTIFIED DRAWINGS. MAKE ALL TRANSITIONS PER MOST RECENT SMACNA STANDARDS.

H. ALL MAJOR BRANCH DUCTS SHALL BE CONSTRUCTED USING OPPOSED BLADE DAMPERS WITH LOCKING DEVICE OR WITH SPLITTER DAMPER WITH LOCKING DEVICE FOR BALANCE OF DUCT SYSTEM.

I. TURNING VANES SHALL BE INSTALLED IN ALL RECTANGULAR 90 DEGREE ELBOWS IN SUPPLY AND RETURN DUCTWORK AND AS INDICATED ON THE DRAWINGS.

J. THE CONTRACTOR SHALL COORDINATE ROUTING AND SIZE OF DUCTWORK WITH ACTUAL FINAL BUILDING CONDITIONS OF STRUCTURE SIZE AND LOCATION, LIGHT LOCATIONS, ARCHITECTURAL FEATURES, AND WORK OF OTHER TRADES. WHERE DUCT SIZES MUST BE REVISED FROM THOSE SHOWN ON THE DRAWINGS, MAINTAIN SAME CROSS SECTIONAL AREA, VELOCITY, AND PRESSURE DROP. WHEN NECESSARY, REROUTE DUCT TO CLEAR OBSTRUCTIONS WITH MINIMUM NUMBER OF FITTINGS AND ELEVATION CHANGES. WHERE DUCT MUST BE SIGNIFICANTLY ALTERED FROM THAT SHOWN ON THE DRAWINGS, NOTIFY THE ARCHITECT PRIOR TO PROCEEDING.

K. DIVISION 23 CONTRACTOR SHALL PROVIDE TEST AND BALANCE OF HVAC SYSTEMS. TEST AND BALANCE SHALL BE PERFORMED AND REPORTED AS DESCRIBED BY NEBB OR AABC. FILTERS SHALL BE NEW AND CLEAN, DUCTWORK CLEAN, AND EQUIPMENT CONTROLS AND DEVICES FULLY FUNCTIONAL AT THE TIME OF PERFORMING BALANCE WORK.

L. MAINTAIN MINIMUM 10'-0" CLEAR BETWEEN ANY FLUE, VENT OR TOILET EXHAUST AND OUTSIDE AIR INTAKES. WHERE HORIZONTAL DISTANCE CANNOT BE PROVIDED, EXTEND FLUE VENTS 3'-0" ABOVE OUTSIDE AIR INTAKE.

M. INSTALL ALL MOTOR DRIVEN EQUIPMENT WITH VIBRATION ISOLATORS AND OR PADS TO REDUCE NOISE TRANSFER. TYPE AND METHOD OF ISOLATION SHALL BE IN CONFORMANCE WITH THOSE DESCRIBED IN THE SPECIFICATIONS FOR THE DUTY, TYPE, AND APPLICATION OF THE EQUIPMENT.

N. ALL EQUIPMENT SHALL BE PERMANENTLY LABELED WITH SIGNAGE SECURED TO EQUIPMENT.

O. CONDENSATE PIPING SHALL BE AS NOTED ON THE DRAWING, BUT IN NO CASE LESS THAN 3/4 INCHES.

P. ROUTE CONDENSATE PIPING TO APPROVED DISCHARGE LOCATION. PROVIDE CONDENSATE TRAP WITH CLEANOUTS AND VENT ON DISCHARGE SIDE OF TRAP FOR ALL UNITS WITH COOLING COILS. TRAP DEPTH SHALL BE A MINIMUM OF THE UNIT TOTAL PRESSURE PLUS 2 INCHES.

Q. CONDENSATE PIPING INSTALLED WITHIN THE BUILDING SHALL BE FULLY INSULATED AND PROVIDED WITH VAPOR BARRIER.

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REGISTERED PROFESSIONAL ENGINEER GAYLE D. GWINUP 15478 OKLAHOMA
2/9/23

M001

SCALE: AS SHOWN

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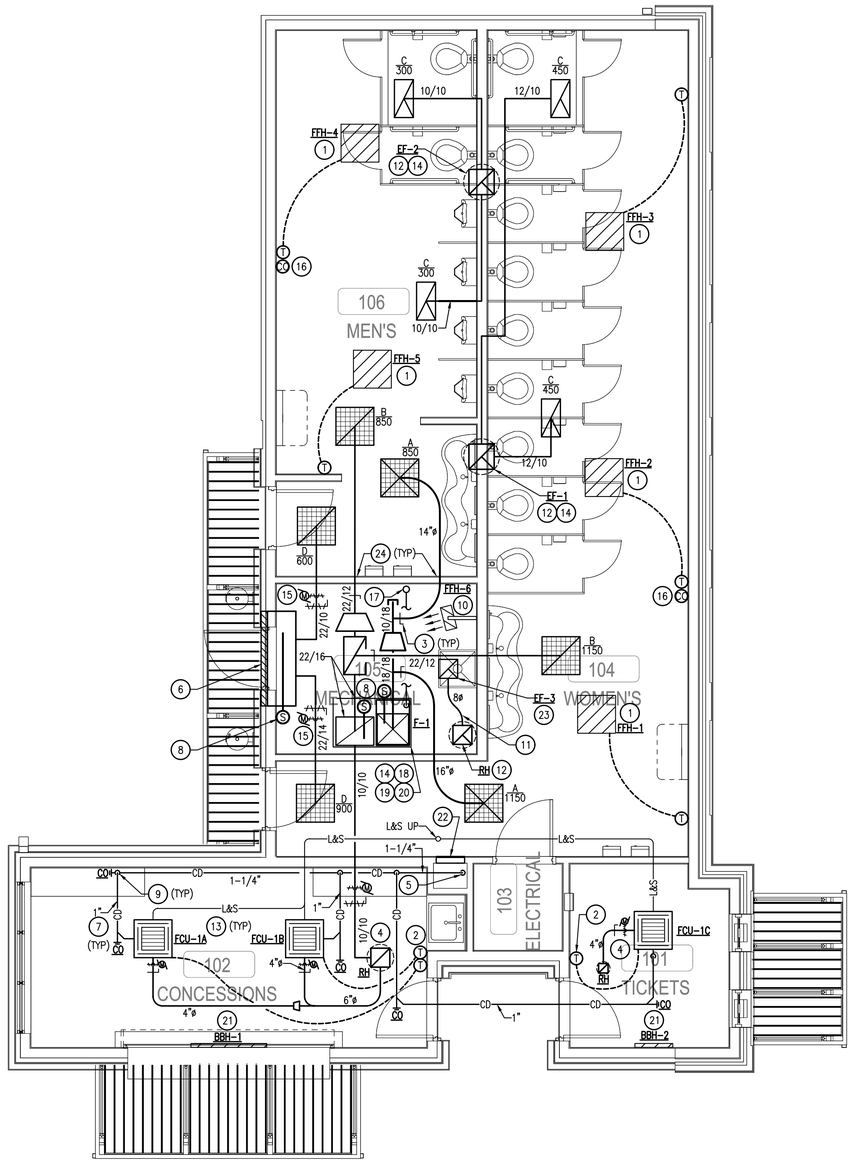

1 HVAC PLAN
Scale: 1/4" = 1'-0"

KEYNOTES: (X)

1. INSTALL CEILING MOUNTED FORCE FAN HEATER WITH REMOTE HARD WIRED THERMOSTAT. INSTALL THERMOSTAT AT 48 INCHES ABOVE FINISHED FLOOR. PROVIDE LOCKING METAL, VANDAL-RESISTANT COVER. WHERE THERMOSTAT IS LOCATED ON AN EXTERIOR WALL, PROVIDE AN INSULATED BACK BOX.

2. MSHP THERMOSTATS SHALL BE INSTALLED AT 48 INCHES ABOVE FINISHED FLOOR. WHERE THERMOSTATS OR SENSORS ARE LOCATED ON EXTERIOR WALL, PROVIDE AN INSULATED BACK BOX.

3. ALL MANUAL BALANCE DAMPERS SHALL HAVE A MINIMUM 2 INCH STANDOFF HANDLE.

4. INSTALL LOW-LEAKAGE MOTORIZED DAMPERS AND MANUAL DAMPERS IN ALL OUTDOOR AIR INTAKE DUCTWORK CONNECTING TO HVAC EQUIPMENT. MOTORIZED DAMPER OPENS WHEN BLOWER IS ENERGIZED AND CLOSES WHEN BLOWER IS OFF. INSULATE ALL OUTSIDE AIR DUCTWORK FROM ROOF HOOD TO EQUIPMENT OR RETURN DUCT TERMINATION.

5. DROP CONDENSATE DOWN WALL AND TERMINATE A MINIMUM OF 2 INCHES ABOVE HUB DRAIN. SECURE PIPE IN VERTICAL DROP WITH UNI-STRUT AND PIPE CLAMPS.

6. PROVIDE 60" WIDE BY 18" TALL ALUMINUM WEATHERPROOF LOUVER WITH DRAINABLE BLADES EQUAL TO RUSKIN MODEL ELF3750XH. LOUVER SHALL HAVE MINIMUM FREE AREA OF 3.49 FT^2 AND BIRD SCREEN BEHIND FACE OF LOUVER. INSTALL FULL SIZE 18 INCH DEEP, EXTERNALLY-WRAPPED INSULATED PLENUM BEHIND LOUVER. SLOPE PLENUM TO DRAIN TOWARD LOUVER. PROVIDE CHANNEL FRAME. COORDINATE WITH ARCHITECT FOR FINAL COLOR SELECTION. BOTTOM OF LOUVER SHALL BE 10 FEET ABOVE FINISHED FLOOR.

7. ALL CONDENSATE PIPING SHALL BE INSULATED AND PROVIDED WITH VAPOR BARRIER.

8. COORDINATE WITH TPS CONTROLS CONTRACTOR TO PROVIDE DUCT MOUNTED SENSORS TO BE INSTALLED IN THE FURNACE SUPPLY DUCT, FURNACE RETURN DUCT, AND OUTSIDE AIR LOUVER'S DUCTWORK, PER MANUFACTURER'S REQUIREMENTS. SENSORS SHALL BE COMPATIBLE WITH BMS INTERFACE AND COMPATIBLE FURNACE THERMOSTAT CONTROL.

9. TAP THE TOP OF MAIN CONDENSATE LINE WITH BRANCH CONDENSATE PIPING.

10. INSTALL HORIZONTAL FORCED FAN HEATER WITH MANUFACTURER'S REMOTE WALL MOUNT SINGLE POLE SINGLE THROW THERMOSTAT. INSTALL UNIT PER MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION HEIGHT AND CLEARANCE REQUIREMENTS. PROVIDE MANUFACTURER'S WALL MOUNTING BRACKET AND DUST SHIELD. COORDINATE FINAL LOCATION WITH ALL WORK OF OTHER TRADES. COORDINATE WITH ELECTRICAL FOR POWER. ORIENT LOUVER DIFFUSER TO THROW TOWARD THE MECHANICAL ROOM ENTRY DOOR.

11. INSULATE ALL EXHAUST DUCTWORK FROM FAN TO ROOF HOOD.

12. ROOF CURB AND PLENUM DROPS SHALL BE INSULATED.

13. COORDINATE FINAL LOCATION OF ALL AIR DEVICES AND CEILING MOUNTED EQUIPMENT WITH LIGHTS, ALL CEILING DEVICES AND ARCHITECTURAL CEILING PLANS.

14. FURNACE LOCATED ON EQUIPMENT PLATFORM. SET UNIT ON 24" HIGH RETURN AIR SUPPORT FRAME CONSTRUCTED FROM ANGLE IRON WITH SHEET METAL FRONT, SIDES, AND BOTTOM. RETURN AIR PLENUM STAND TO BE LINED ON ALL SIDES WITH 2 INCH, 3 POUND DENSITY SOUND ATTENUATION INSULATION BOARD. ALL INSULATION EDGES TO BE BUTTED TIGHT WITH MASTIC COVERING ANY EXPOSED EDGE AND SEAMS. SET UNIT ON VIBRATION ISOLATION PAD BETWEEN UNIT CABINET AND SUPPORT FRAME. ALL SUPPLY AND RETURN DUCTWORK SHALL HAVE LINED INSULATION WITHIN 5 FEET MINIMUM OF FURNACE.

15. INTERLOCK OPERATION OF EXHAUST FANS EF-1 AND EF-2 WITH OPERATION OF INTAKE OUTSIDE AIR MOTORIZED DAMPERS DOWNSTREAM OF LOUVER. COORDINATE WITH DIVISION 26 FOR POWER.

16. PROVIDE CARBON MONOXIDE DETECTOR MOUNTED AT 60 INCHES A.F.F. PROVIDE VANDAL-RESISTANT COVER THAT MEETS SENSOR MANUFACTURER'S REQUIREMENTS. CARBON MONOXIDE DETECTOR ALARM SHALL BE INSTALLED SO AS TO DE-ENERGIZE FURNACE DURING A CARBON MONOXIDE ALARM CONDITION. COORDINATE WITH CONSTRUCTION MANAGER AND TPS CONTROLS CONTRACTOR.

17. ROUTE COMBUSTION AIR AND FLUE PIPE UP THRU ROOF. TERMINATE WITH A CONCENTRIC VENT TERMINATION. OFFSET VENT TERMINATION FROM EDGE OF ROOF. FINAL LOCATION OF VENT TERMINATION KIT SHALL BE A MINIMUM OF 10' FROM ALL OUTDOOR AIR INTAKES. SIZE PIPE PER MANUFACTURER'S RECOMMENDATIONS FOR FINAL EQUIVALENT LENGTH AND SIZE OF COMBUSTION AIR AND VENT PIPING. PENETRATE ROOF PER ROOFING MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS TO MAINTAIN ROOF WARRANTY.

18. FURNACE INSTALLATION SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES. FURNACE SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR SERVICE CLEARANCE AND CLEARANCE TO COMBUSTIBLES.

19. INSTALL MANUFACTURER-PROVIDED CONDENSATE DRAIN TRAP AND ROUTE FURNACE FLUE CONDENSATE TO TERMINATE AT MOP SERVICE BASIN WITH A 2 INCH MINIMUM AIR GAP. INSTALL AND SIZE FLUE CONDENSATE PIPE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

20. COORDINATE WITH TPS CONTROLS CONTRACTOR TO PROVIDE BMS CONTROL INTERFACE FOR BUILDING. PROVIDE CONTROL FOR EF-1, EF-2, MOTORIZED OUTSIDE AIR DAMPERS DOWNSTREAM OF LOUVER, AND FURNACE WITHIN THE HVAC SCOPE OF WORK. EXHAUST FANS EF-1 AND EF-2 TO BE OPERATED BY OCCUPANCY SCHEDULE AND INTERLOCKED WITH OUTSIDE AIR MOTORIZED DAMPERS. DURING OCCUPIED MODE, EXHAUST FANS EF-1 AND EF-2 SHALL BE ENERGIZED AND MOTORIZED OUTSIDE AIR DAMPERS SHALL BE OPENED. WHEN BUILDING IS IN SCHEDULED OCCUPIED MODE AND THE AMBIENT OUTSIDE AIR SENSOR SENSES 50°F OR BELOW, FURNACE HEAT SHALL BE ENERGIZED. FURNACE HEAT SHALL OPERATE BY 2-STAGE THERMOSTAT.

21. INSTALL BASEBOARD HEATER PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR INSTALLED CLEARANCES. COORDINATE FINAL INSTALLATION WITH ARCHITECTURAL FEATURES AND ELECTRICAL CONTRACTOR.

22. COORDINATE WITH CONSTRUCTION MANAGER AND DIVISION 22 CONTRACTOR FOR FINAL LOCATION OF HUB DRAIN AND 18"x18" ACCESS PANEL.

23. SUSPEND CEILING EXHAUST FAN TO STRUCTURE WITH UNI-STRUT AND MANUFACTURER'S VIBRATION ISOLATION HANGING ACCESSORIES.

24. COORDINATE DUCT ROUTING WITH STRUCTURE AND MECHANICAL ROOM EQUIPMENT. SEAL AROUND ALL DUCTWORK PENETRATIONS THRU WALLS.

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DRAWN BY:	DMS,DSP
CHK'D BY:	GDG,TEM

REGISTERED PROFESSIONAL ENGINEER
GAYLE D. GWINUP
15478
OKLAHOMA
2/9/23

M101

SCALE: AS SHOWN

Z:\2022\Reed Architects\Will Rogers Bleachers and Concession Stand\Will Rogers Visitors Addition-Pricing Set\Dwg\M101.dwg, 2/9/2023 2:45:10 PM, DawnSantee

MECHANICAL KEYNOTES: (MX)

M1. INSTALL HEAT PUMP UNIT ON EQUIPMENT RAILS. SECURE RAILS TO STRUCTURE. SECURE UNIT TO RAILS. FINAL LOCATION OF UNIT SHALL BE IN COMPLIANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS FOR SERVICE ACCESS AND AIRFLOW CLEARANCES.

M2. INSTALL ROOF MOUNTED EXHAUST FAN ON ROOF CURB WITH BACKDRAFT DAMPER. CURB SHALL BE A MINIMUM OF 24" TALL FOR ROOF FLASHING. COORDINATE WITH ROOFING CONTRACTOR FOR FLASHING REQUIREMENTS TO MAINTAIN ROOF WARRANTY.

M3. INSTALL ROOF HOOD ON CURB. CURB SHALL BE A MINIMUM OF 24" TALL FOR ROOF FLASHING. COORDINATE WITH ROOFING CONTRACTOR FOR FLASHING REQUIREMENTS TO MAINTAIN ROOF WARRANTY.

M4. LIQUID AND SUCTION LINE SET PIPING SHALL PENETRATE ROOF WITH HOODED ROOF CURB OR OTHER APPROVED METHOD BY ARCHITECT OR ROOFING MANUFACTURER SO AS NOT TO VOID ROOF WARRANTY.

M5. PROVIDE TREATED LUMBER FOR PIPE SUPPORTS ON ROOF. INSTALL TREAD MAT EXTENDING A MINIMUM OF 6" IN ALL DIRECTIONS OF SUPPORT. (RE: SHEET 2/MP101)

M6. EXHAUST FAN OUTLETS SHALL BE A MINIMUM OF 10 FEET AWAY FROM ANY HVAC OUTDOOR AIR INTAKES.

M7. ROUTE COMBUSTION AIR AND FLUE PIPE UP THROUGH ROOF. TERMINATE WITH A CONCENTRIC VENT TERMINATION, MIN 18" ABV ROOF, MAX 24" ABV ROOF. FINAL LOCATION OF VENT TERMINATION KIT SHALL BE A MINIMUM OF 10 FEET FROM ALL OUTDOOR AIR INTAKES. COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS FOR FINAL LENGTH AND PIPE SIZE OF COMBUSTION AIR AND VENT PIPING. PENETRATE ROOF PER ROOFING MANUFACTURER'S REQUIREMENTS TO MAINTAIN ROOF WARRANTY.

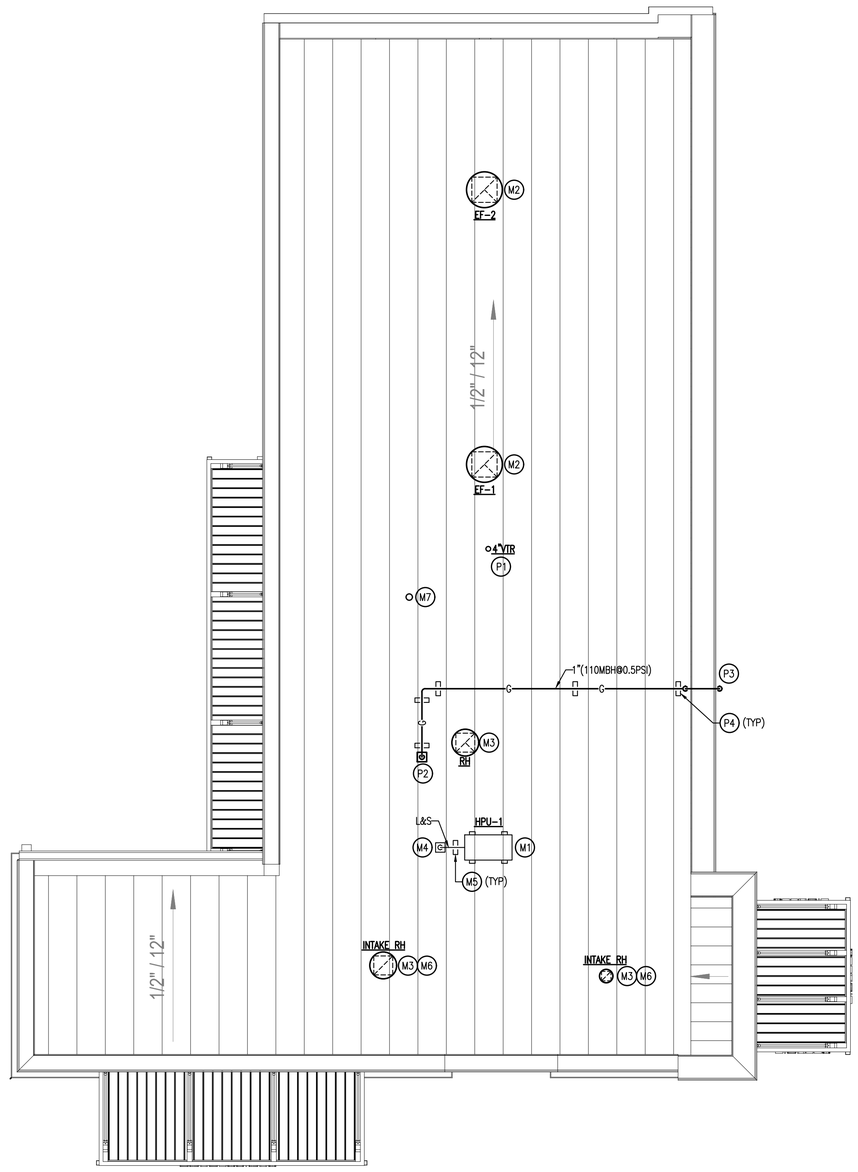
PLUMBING KEYNOTES: (PX)

P1. VERIFY VTR IS NO CLOSER THAN 10 FEET TO ANY HVAC OUTDOOR AIR INTAKES.

P2. INSTALL GAS PIPING THRU ROOF USING A HOODED ROOF CURB. ALL ROOF PENETRATIONS SHALL BE INSTALLED PER ROOFING MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS TO MAINTAIN ROOF WARRANTY.

P3. GAS PIPE DOWN TO SERVICE VALVE (RE: TO SHEET P101).

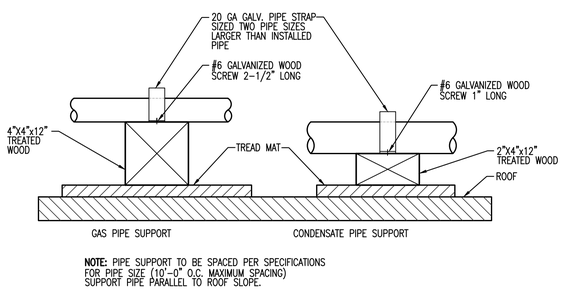
P4. PROVIDE TREATED LUMBER FOR PIPE SUPPORTS ON ROOF. INSTALL TREAD MAT EXTENDING A MINIMUM OF 6" IN ALL DIRECTIONS OF SUPPORT. SPACE SUPPORTS AS REQUIRED IN SPECIFICATIONS. (RE: SHEET 2/MP101)



1 MECHANICAL AND PLUMBING ROOF PLAN

Scale: 1/4" = 1'-0"

NORTH



NOTE: PIPE SUPPORT TO BE SPACED PER SPECIFICATIONS FOR PIPE SIZE (10'-0" O.C. MAXIMUM SPACING) SUPPORT PIPE PARALLEL TO ROOF SLOPE.

2 PIPE SUPPORT

SCALE: NTS

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CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

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REVISIONS

MECHANICAL AND PLUMBING ROOF PLAN

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PANELBOARD 'LP'

SURFACE MOUNTED
GROUND BUS
NEMA 1 ENCLOSURE

VOLT: 240Y/120V, 1PH, 4 WIRE
AMPS: 200 AMP, MCB
AIC: 65,000 SER

CKT	DESCRIPTION	BRKR	PL	KVA	LINE		KVA	PL	BRKR	DESCRIPTION	CKT
1	INTERIOR LIGHTING	20	1	0.85	L1		2.25	2	25	WH-1	2
3	TICKET OFFICE RECEPTACLES	20	1	0.72		L2	2.25	–	–	–	4
5	* FFH-1	20	2	0.75	L1		3.30	1	20	* FFH-6	6
7	–	–	–	0.75		L2	0.75	2	20	* FFH-4	8
9	* FFH-2	20	2	0.75	L1		0.75	–	–	–	10
11	–	–	–	0.75		L2	3.00	2	30	HPU-1	12
13	MENS/WOMENS RR RECEPT/AUTOFLUSH	20	1	0.50	L1		3.00	–	–	–	14
15	EXTERIOR LIGHTING	20	1	1.30		L2	0.75	2	20	* FFH-5	16
17	* FFH-3	20	2	0.75	L1		0.75	–	–	–	18
19	–	–	–	0.75		L2	1.00	1	20	CONCESSION EQUIPMENT	20
21	CONCESSION RECEPTACLES	20	1	0.54	L1		1.00	1	20	CONCESSION EQUIPMENT	22
23	BATHROOM/ROOFTOP RECEPTACLES	20	1	0.72		L2	1.00	1	20	CONCESSION EQUIPMENT	24
25	F-1	20	1	1.31	L1		–	–	–	–	26
27	SPARE	20	1	0.10		L2	1.00	1	20	CONCESSION EQUIPMENT	28
29	WOMEN'S HAND DRYERS	20	1	1.25	L1		1.25	1	20	MEN'S HAND DRYERS	30
31	WOMEN'S HAND DRYERS	20	1	1.25		L2	1.25	1	20	MEN'S HAND DRYERS	32
33	EF-1/2	20	1	1.10	L1		0.10	1	20	SPARE	34
35	* BBH-1/2	20	2	0.69		L2	0.10	1	20	SPARE	36
37	–	–	–	0.69	L1		0.10	1	20	SPARE	38
39	SPARE	20	1	0.10		L2	0.10	1	20	SPARE	40
41	SPARE	20	1	0.10	L1		0.10	1	20	SPARE	42

	KVA	AMPS		KVA	AMPS
PHASE A	18.99	158.25	CONNECTED	35.57	148.21
PHASE B	16.58	138.25	FEEDER	–	–

* PROVIDE LOCK-OFF DEVICE AT BREAKER HANDLE

LIGHT FIXTURE SCHEDULE

FIXTURE/TYPE	MANUFACTURER CATALOG NUMBER	VOLTS / WATTS	LAMP TYPE	MOUNTING	FIXTURE NOTES
A	METALUX: 24FP4750C CREE: C-TR-C-FP24-S58L-SCCT-UL-WH	120 / 41	LED 5000K	RECESSED	2'x4' LED LAY-IN
B	METALUX: 4ST2L4050R WILLIAMS: 75R-4-L50-90-50-DIM	120 / –	LED 5000K	SURFACE	4'-0" LED STRIP FIXTURE
C	CORONET: HUL8-8-LD4-STD-50-UNV-O-EDD-I-S-EL10W-VRSD	120 / 65	LED 5000K	SURFACE	VANDAL RESISTANT 8'-0" LED LINEAR FIXTURE
C1	CORONET: HUL8-4-LD4-STD-50-UNV-O-EDD-I-S-EL10W-VRSD	120 / 65	LED 5000K	SURFACE	VANDAL RESISTANT 4'-0" LED LINEAR FIXTURE
D	HALO: HC607D010-HM61WDBB840 LSI: LCD6-14L-UNV-DIM1-40NF-TR6BBL	120 / 8	LED 4000K/750L/D	RECESSED	6" RECESSED CAN LIGHT
E	ILP: SWP-3L-U-CCTS-BRZ LUMARK: XTOR-1B-PC1	120 / 24	LED 5000K	SURFACE	LED EXTERIOR WALL PACK MOUNT AT +14'-3" AFF
F	FAIL SAFE: HVSL2-3-LD4-STD-50-UNV-O-EDC-1-WL-XX	120 / 25	LED 5000K	SURFACE	VANDAL RESISTANT 3'-0" LED COLOR BY ARCHITECT
EM	MULE: M5-U-LFP-SD-W EXITRONIX: LED-51-WH-G2	120	LED	CEILING, WALL, OR END MOUNTED	EMERGENCY EGRESS LIGHT PROVIDE WEATHER-PROOF DUAL REMOTE HEAD AT EXITS SHOWN ON DRAWINGS ATTACH TO FIXTURES SPECIFIED
RH	LITHONIA: ELA-LED-7-QWP-L0309-SD SURE LITES: SRP25DGY DUAL LITE: EVO-DW	120 / 8	LED	WALL MOUNTED	WEATHER-PROOF/VANDEL RESISTANT REMOTE HEAD UNIVERSAL MOUNT AT EXTERIOR OF BUILDING. INTERCONNECT TO EXIT LIGHT 90-MIN EMERGENCY BATTERY BACKUP INDICATED ON DRAWINGS.
X	MULE: MXBRO-SD-USA SURE LITES: LPXR5SD DUAL LITE: EVCURWD4I-0	120 / 5	LED	CEILING, WALL, OR END MOUNTED	SINGLE OR DOUBLE FACE PER DRAWING. (90-MIN. BATTERY BACKUP)

GENERAL NOTES:
A) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ACCESSORIES REQUIRED FOR COMPLETE FIXTURE PACKAGE SHOWN ON SCHEDULES, DETAILS, PLANS, AND SPECIFICATIONS.
B) NO SUBSTITUTIONS ACCEPTED.
C) CONTRACTOR SHALL PROVIDE DIMMING DRIVERS IN LED FIXTURES REQUIRED FOR CONTROL SYSTEM COMPATIBILITY.
D) PROVIDE WIRE GUARDS IN GYMNASIUM LOCATIONS.
E) PROVIDE GYPSUM BOARD CEILING FRAMING KIT IN AREAS WITH HARD CEILING.

ELECTRICAL SYMBOL LEGEND

	DUPLEX RECEPTACLE	$	SWITCH
	DUPLEX RECEPTACLE W/GFCI	$3	THREE WAY SWITCH
	QUAD RECEPTACLE	$4	FOUR WAY SWITCH
	TELEPHONE/DATA COMBINATION		FUSED DISCONNECT
	CONCEALED CONDUIT		COMBO MTR. STARTER DISCONNECT
	EXPOSED CONDUIT		SAFETY DISCONNECT SWITCH
	HOMERUN	AP	ACCESS POINT
	PANEL	J	JUNCTION BOX
M	MOTOR		SMOKE DETECTOR
	PUSH BUTTON		WALL MOUNTED, SPECIAL RECEPTACLE

DEVICE SUBSCRIPT

'a'	LOWER CASE LETTER INDICATES DEVICE CONTROL ARRANGEMENT
A/C	HVAC
CKT	CIRCUIT
DR	DUPLEX RECEPTACLE
(E)	EXISTING
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
H.D.	HEAVY-DUTY RATED
JB	JUNCTION BOX
LGT	LIGHTING
MTR	MOTOR
RCP	RECEPTACLE
SR	SINGLE PURPOSE RECEPTACLE

ELECTRICAL GENERAL NOTES:

A. **SITE OBSERVATION:** CONTRACTOR AND ASSOCIATED DIVISION TRADES SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK DESIGNATED FOR THIS FACILITY PRIOR TO BIDDING. FAILURE TO SIGN-IN AND ATTEND THE PRE-CONSTRUCTION MEETING MAY EXCLUDE CONTRACTOR FROM FUTURE CLAIMS WHERE THE SCOPE OF WORK AND INTENT OF CONTRACT DOCUMENTS IS OPENLY EXPRESSED AND DOCUMENTED FOR FORMAL RESPONSES.

B. **CODE COMPLIANCE, PERMITS AND LICENSES:** ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. IN EVENT OF CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS, CODES AND ORDINANCES, THE MOST STRINGENT REQUIREMENT FROM THE AUTHORITY HAVING JURISDICTION SHALL TAKE PRECEDENCE. PROCURE ALL NECESSARY PERMITS AND LICENSES REQUIRED FOR WORK. PAY ALL LAWFUL FEES, INCLUDING, BUT NOT LIMITED TO UTILITY DEPOSITS, INSPECTION FEES, AND TEMPORARY AND PERMANENT CONSTRUCTION PERMITS.

C. **MATERIALS:** ALL MATERIALS SHALL BE NEW AND U.L. LISTED FOR THE APPLICATION. REUSE OF EXISTING MATERIALS MUST BE APPROVED PRIOR TO BID BY THE ENGINEER OF RECORD. PROVIDE PROTECTION FOR ALL ITEMS OF APPARATUS, FIXTURES, APPLIANCES, MATERIALS, EQUIPMENT, AND INSTALLATION SO AS TO PREVENT DAMAGE BY ANY TRADE. CONTRACTOR SHALL REPLACE, AT NO EXPENSE TO THE OWNER, ANY ITEM THAT IS MARRED, DEFACED, OR BROKEN PRIOR TO ACCEPTANCE BY OWNER.

D. **SUBSTITUTIONS:** SUBSTITUTIONS SHALL NOT BE ALLOWED AFTER APPROVAL OF SUBMITTED EQUIPMENT AND DEVICES UNLESS BY SPECIAL PERMISSION. NOTIFY ARCHITECT AND REQUEST ADDITIONAL INFORMATION FOR PROPOSED SUBSTITUTIONS OR SUBSTITUTED EQUIPMENT OTHER THAN LISTED IN THE CONTRACT DOCUMENTS OR SUBMITTED DURING PRODUCT REVIEW WHICH REQUIRES ADDITIONAL SPACE, SUPPORT, LAYOUT CONDITIONS, OR OTHER ELECTRICAL REQUIREMENTS. PROVIDE REQUIRED WORK ONLY AFTER WRITTEN NOTICE-TO-PROCEED FROM OWNER OR ENGINEER OF RECORD.

E. **TYPICAL DEVICE MOUNTING HEIGHTS – UNLESS NOTED OTHERWISE:**
PANELBOARDS – 78" AFF TO TOP OF CABINET (MAX.)
CONTROL PANELS – 72" AFF TO TOP OF CABINET (MAX.)
DISCONNECTS – 64" AFF TO TOP OF CABINET (MAX.)
POWER/COMM. OUTLETS – 18" AFF TO CENTER OF DEVICE
TOGGLE SWITCHES – 48" AFF TO CENTER OF DEVICE
WHERE DEVICES ARE INDICATED TO BE ABOVE DOORS, CENTER BETWEEN TOP OF DOOR TRIM AND CEILING LINE. ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER TYPICAL HEIGHTS LISTED. DEVICES LOCATED ABOVE COUNTERS SHALL BE MOUNTED 8" ABOVE COUNTERTOPS TO CENTER OF DEVICE.

F. **DIVISION TRADE COORDINATION:** COORDINATE WITH DIVISION TRADES AND THE ACTUAL SITE CONDITIONS OF CONSTRUCTION. RESOLVE CONFLICTS BETWEEN DIVISION TRADES FOR LOCATION OF EQUIPMENT INSTALLED AND ACCESSORIES REQUIRED, SO THAT ANY CONFLICTS ARE COORDINATED AND THE EQUIPMENT IS INSTALLED AS A COMPLETE AND OPERABLE SYSTEM. COORDINATE POWER REQUIREMENTS FOR EQUIPMENT PRIOR TO SUBMITTAL REVIEW BY ENGINEER OF RECORD. COORDINATION OF OTHER TRADES SCOPE-OF-WORK AND MATERIALS ARE A NORMAL PART OF THE CONSTRUCTION PROCESS. THE INTENT OF THE WORK IS IDENTIFIED IN THE FULL SET OF CONTRACT DOCUMENTS, AND IS NOT LIMITED BY DIVISION TRADE DOCUMENTS. FAILURE TO COORDINATE THE WORK SHALL NOT BE SUBJECT TO MONETARY CLAIMS. INSTALL EQUIPMENT AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, ADHERING TO REQUIRED CLEARANCES FOR OPERATION AND ACCESS FOR PRODUCT SERVICING. COORDINATE WITH DIVISION 22 & 23 MECHANICAL DUCTWORK SO AS NOT TO INSTALL JUNCTION BOXES ABOVE DUCT WORK OR INACCESSIBLE TO PERSONNEL.

G. **DEVIATIONS FROM CONTRACT DOCUMENTS:** MECHANICAL AND ELECTRICAL PLANS ARE DIAGRAMMATIC, AND SHALL BE FOLLOWED FOR ACTUAL CONSTRUCTION WITHOUT DEVIATIONS. THE APPROVAL FROM THE ARCHITECT OR ENGINEER SHALL BE OBTAINED BEFORE ANY DEVIATIONS FROM THESE PLANS. DIVISION TRADES WHICH DEVIATE FROM PLANS WITHOUT NOTIFICATION SHALL NOT BE COMPENSATED AND SHALL BE RESPONSIBLE FOR THE ADDITIONAL WORK REQUIRED. CONTRACTOR SHALL COORDINATE THE GENERAL WORK IN ORDER THAT EACH DIVISION TRADE WORK AND THE WORK OF THEIR SUB-CONTRACTORS WILL BE PROPERLY INSTALLED. CONTRACTOR SHALL INFORM ARCHITECT OF EXISTING CONDITIONS THAT ARE DISCOVERED DURING WORK IN PROGRESS THAT WOULD REQUIRE DEVIATIONS FROM THE ORIGINAL CONSTRUCTION DOCUMENTS BEFORE PROCEEDING WITH WORK.

H. **EXISTING SYSTEMS:** CONTRACTOR SHALL PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.

I. **GROUNDING:** ALL LIGHT FIXTURES SHALL BE REQUIRED TO BE GROUNDED BY AN INSULATED GROUNDING CONDUCTOR. PROVIDE BARE COPPER GROUND BAR INSULATED FROM BUILDING STEEL AT ELECTRICAL CLOSETS DEDICATED FOR LOW-VOLTAGE SYSTEMS. INTERCONNECT LOW-VOLTAGE GROUNDING SYSTEMS TO THE MAIN GROUNDING ELECTRODE SYSTEM SERVING BUILDING. WHERE REQUIRED BY CODE, PROVIDE IRREVERSIBLE GROUNDING CONNECTIONS USING EXOTHERMIC WELDS.

J. **WET LOCATION LISTED DEVICES:** GFCI RECEPTACLES SHALL BE USED AT LOCATIONS WITHIN 6'-0" OF SINKS AND WATER. GFCI OUTLETS IN KITCHEN AREAS SHALL HAVE DEDICATED NEUTRAL(S). GFI BREAKERS SERVING KITCHEN EQUIPMENT SHALL BE DEDICATED CIRCUITS WITH DEDICATED NEUTRAL CONDUCTORS. PANELBOARDS AND METAL ENCLOSED DISCONNECTING MEANS SHALL BE NEMA 4X STAINLESS STEEL UNLESS NOTED OTHERWISE.

K. **FIRE AND SMOKE WALL ASSEMBLIES:** CONTRACTOR SHALL IDENTIFY ALL FIRE AND SMOKE RATED WALLS AND PROVIDE SEALS AT NEW AND EXISTING PENETRATIONS THROUGH RATED WALLS. PROVIDE 20A/1P BREAKER WITH LOCK-ON DEVICE AT HANDLE FOR CONNECTION OF LINE-VOLTAGE SMOKE DAMPERS INSTALLED BY DIVISION 23 CONTRACTOR.

L. **RACEWAYS AND JUNCTION BOXES:** CONDUIT RACEWAYS SHALL BE COMMERCIAL GRADE STEEL AND ALUMINUM U.L. LISTED FOR THE APPLICATION AND NOT LESS THAN 3/4" IN TRADE SIZE. **METAL-CLAD CABLE IS ALLOWED ONLY IN LIMITED LIGHTING AND MILLWORK APPLICATIONS AND LOCATIONS SUBJECT TO THE APPROVAL BY THE ENGINEER OF RECORD PRIOR TO INSTALLATION.** ALL EXPOSED EXTERIOR CONDUIT SHALL BE RIGID ONLY. IDENTIFY ALL EXPANSION JOINTS AND PROVIDE FOR EXPANSION JOINTS IN ALL CONDUITS CROSSING BUILDING BOUNDARIES. EXPOSED CONDUIT, JUNCTION BOXES AND ACCESSORIES IN FINISHED AREAS TO BE PAINTED AS DIRECTED BY ARCHITECT. COORDINATE CONDUIT RUNS IN EXPOSED AREAS SO THAT ALL RUNS ARE MADE PARALLEL OR PERPENDICULAR TO STRUCTURE.

M. **IDENTIFICATION:** COVERPLATES IN UNFINISHED AREAS AND CEILING CAVITIES SHALL BE LABELED WITH PERMANENT BLACK MARKER WITH CORRESPONDING CIRCUIT. PROVIDE ADHESIVE LABELS WITH PANEL AND CIRCUIT DESIGNATION ON COVERPLATES OF DEVICES IN FINISHED AREAS.

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THOMAS EDWARD McKENNA
20222
OKLAHOMA
2/9/23

E001

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POWER KEYNOTES: (PX)

P1. **FLUSH VALVES:** INSTALL JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR LOW-VOLTAGE CONTROL TRANSFORMER FOR AUTOMATIC FLUSH VALVES. PROVIDE JUNCTION BOX FOR FLUSH VALVE SENSOR AT EACH TOILET. MOUNT JUNCTION BOX PER FLUSH VALVE MANUFACTURER'S RECOMMENDATIONS. PROVIDE CONDUIT FROM FLUSH VALVES TO CONTROL TRANSFORMER FOR LOW-VOLTAGE WIRING.

P2. **THERMOSTATS:** INDICATE NEW THERMOSTAT CABLING PER TPS GUIDELINES, ROUTE 3/4"C. FROM MECHANICAL UNIT TO CLASSROOM/ROOM THERMOSTAT. ROUTE TO NEAREST CORRIDOR FOR STRUCTURED CABLING SUPPORTS 6'-0" ON-CENTER. COORDINATE LOCATIONS WITH OWNER PRIOR TO WORK.

P3. **SERVICE ENTRANCE:** COORDINATE ELECTRICAL SERVICE CONNECTION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO ROUGH-IN. PROVIDE EQUIPMENT AND DEVICES PER UTILITY COMPANY. RE: 2/E301.

P4. ROUTE PANELBOARD 'LP' TO EXISTING TRANSFORMER WEST OF BUILDING. CONFIRM DISTANCE FROM TRANSFORMER. RE: 2/E301 FOR CONDUIT AND CONDUCTOR SIZES.

P5. COORDINATE MOUNTING HEIGHT OF ELECTRICAL HAND DRYERS WITH ARCHITECTURAL DRAWINGS.

P6. **WIRELESS ACCESS POINT:** CONTRACTOR SHALL INSTALL OWNER PROVIDED WIRELESS ACCESS POINT. PROVIDE CAT-6 CABLING FROM NEW WIRELESS ACCESS POINT TO NEAREST MDF/IDF CLOSET AND TERMINATE.

P7. COORDINATE HEIGHT OF RECEPTACLES IN CONCESSIONS 102 WITH ARCHITECTURAL DRAWINGS. MOUNT RECEPTACLES AT +24" AFF SIDEWAYS/HORIZONTAL AT CONCESSIONS UNLESS NOTED OTHERWISE.

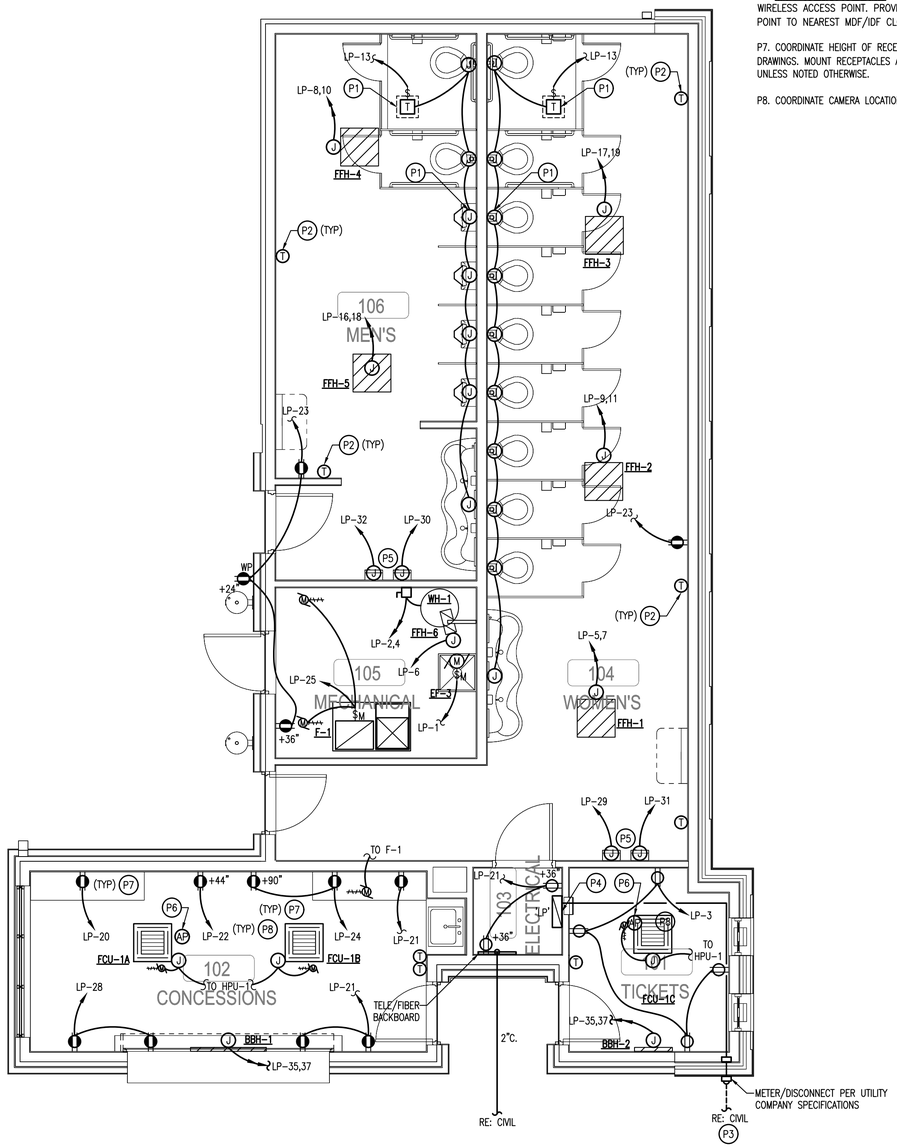
P8. COORDINATE CAMERA LOCATIONS WITH TPS SECURITY. (TYPICAL THROUGHOUT)

LIGHTING KEYNOTES: (LX)

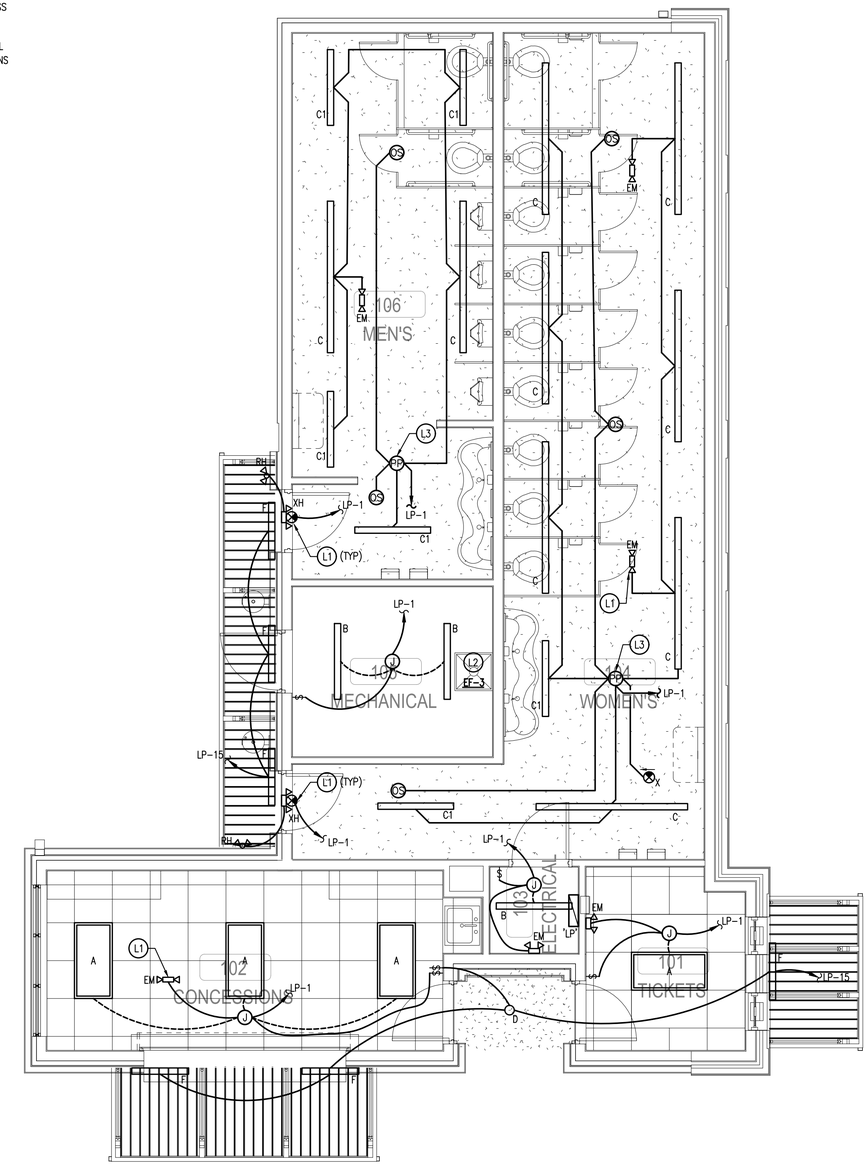
L1. **EGRESS/EXIT/EMERGENCY LIGHTING:** PROVIDE LED EXIT AND COMBINATION EXIT/EMERGENCY. PROVIDE (2) REMOTE HEADS SERVED FROM EXIT FIXTURE BATTERY AT EXTERIOR EXIT DOORS.

L2. **EXHAUST FANS:** ENERGIZE EXHAUST FANS FROM ROOM LIGHTING CIRCUIT CONTROLLED WITH LIGHT SWITCH OR OCCUPANCY SENSOR.

L3. **RESTROOM GROUP LIGHTING:** PROVIDE (2) OR (3) SCHEDULED OCCUPANCY SENSORS IN EACH LARGE RESTROOM GROUP. BLANK EXISTING TOGGLE SWITCHES WITH SPECIFIED COVER PLATE. RE: 1/E301.



2 POWER PLAN
Scale: 1/4" = 1'-0"
NORTH



1 LIGHTING PLAN
Scale: 1/4" = 1'-0"
NORTH

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918.384.0593

CA 3479 EXP. 06/30/2024

CONSTRUCTION DOCUMENTS
02/09/2023

WILL ROGERS STADIUM VISITOR'S ADDITION

3909 EAST 5th PLACE
TULSA, OKLAHOMA 74112

REVISIONS

LIGHTING AND POWER PLANS

JOB	RAI Project Number
ISSUE	02/09/2023
DRAWN BY:	DMS,DSP
CHK'D BY:	GDG,TEM

REGISTERED PROFESSIONAL ENGINEER
THOMAS EDWARD McKENNA
20222
OKLAHOMA
2/9/23

E101

SCALE: AS SHOWN

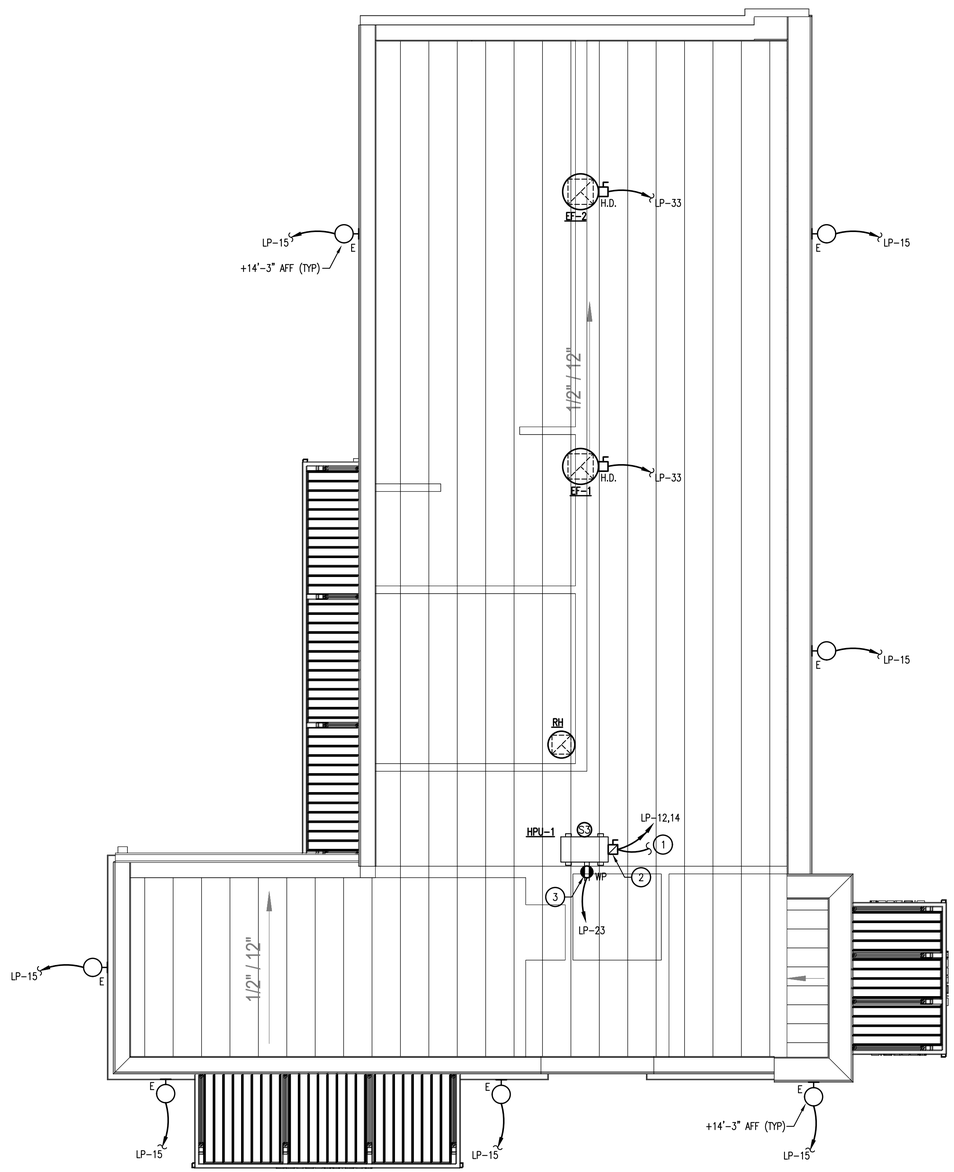
Z:\2022\Reed Architects\Will Rogers Bleachers and Concession Stand\Will Rogers Visitors Addition-Pricing Set\Dwg\E101.dwg, 2/9/2023 2:46:27 PM, DawnSantee

KEYNOTES: (X)

1. COORDINATE RACEWAY, CABLING, AND TERMINATIONS WITH CONTROL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE ROUTE WITH RACEWAY WHERE STRUCTURE IS EXPOSED AND J-HOOKS WHERE ROUTE IS CONCEALED. CONTROL CABLING PROVIDED BY CONTRACTOR AND TERMINATED BY CONTROLS VENDOR. COORDINATE CONDUIT SIZE AND ROUTE WITH CONTROLS VENDOR PRIOR TO ROUGH-IN.

2. PROVIDE HEAVY DUTY, LOCKABLE AND FUSIBLE NEMA 3R RATED DISCONNECT WITH FUSES SIZED PER ROOFTOP EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND N.E.C. REQUIREMENTS. (TYPICAL THROUGHOUT)

3. PROVIDE WP/GFCI PROTECTED RECEPTACLES WITH WEATHERPROOF COVERS NO MORE THAN 25 FEET AWAY FROM EACH UNIT. INSTALLATION SHALL MEET ALL REQUIREMENTS OF N.E.C. (TYPICAL THROUGHOUT)



1 ELECTRICAL ROOF PLAN
Scale: 1/4" = 1'-0"

NORTH

REED ARCHITECTURE & INTERIORS
18 E. Hobson Avenue
Sapulpa, OK 74066
918.884.6007
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ELEFCTRICAL ROOF PLAN

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OKLAHOMA
2/9/23

E201

SCALE: AS SHOWN

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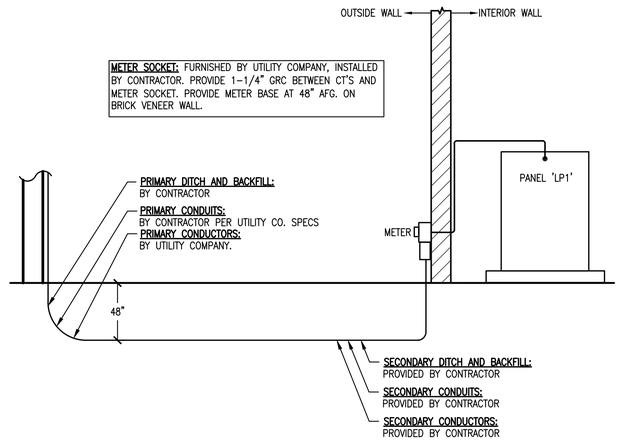
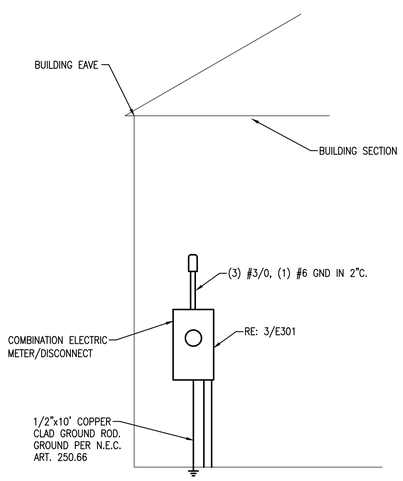


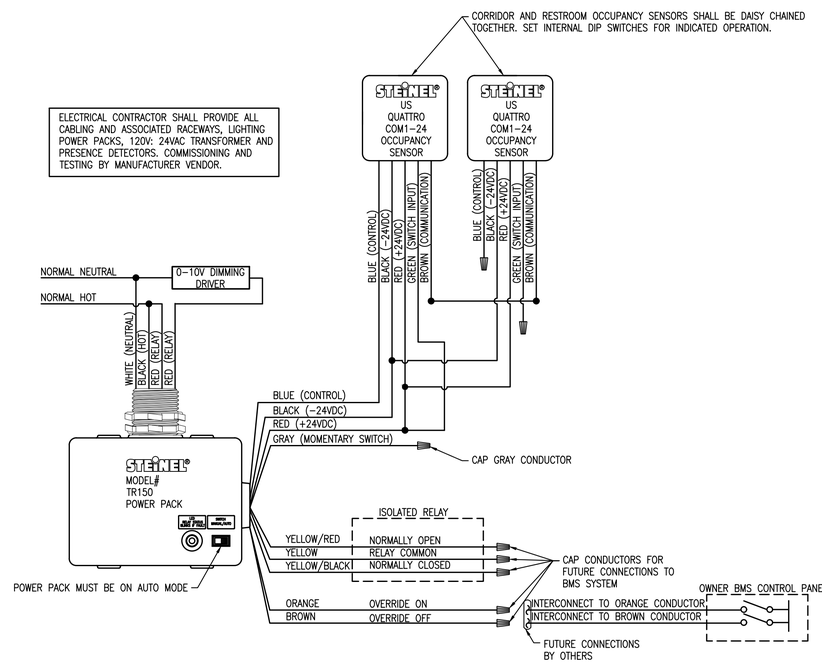
3 UTILITY COORDINATION DETAIL (GC)

Scale: NTS



2 ELECTRIC SERVICE DETAIL

Scale: NTS



1 RESTROOM LIGHTING CONTROL DETAIL

Scale: NTS

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REVISIONS

ELECTRICAL DETAILS AND DIAGRAMS

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E301

SCALE: AS SHOWN

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