DS-1
STORM MANHOLE
RIM ELEV. = 24.59' (48" R.C.P.)
N. INVERT ELEV. = 17.04' (54" R.C.P.)
S. INVERT ELEV. = 16.89' (54" R.C.P.)
E. INVERT ELEV. = 16.90' (48" R.C.P.)
W. INVERT ELEV. = 17.97' (24" R.C.P.)

DS-2
RIM ELEV. = 24.66'
E. INVERT ELEV. = 17.46' (36" R.C.P.)
W. INVERT ELEV. = 17.29' (36" R.C.P.)
TOP OF PIPE N. AND S. ELEV. = 18.00'± (8" STEEL)
TOP OF PIPE N. AND S. ELEV. = 20.96' (10" STEEL)

DS-3
STORM MANHOLE
RIM ELEV. = 23.94'
N. INVERT ELEV. = 16.09' (2)54" R.C.P.)
S. INVERT ELEV. = 16.09' (2)54" R.C.P.)

DS-4
GRATE INLET
RIM ELEV. = 21.92'
N. INVERT ELEV. = 15.59' (54" R.C.P.)
S. INVERT ELEV. = 15.57' (54" R.C.P.)

DS-5
GRATE INLET
RIM ELEV. = 21.04'
E. INVERT ELEV. = 17.29' (24" R.C.P.)
W. INVERT ELEV. = 19.99' (6" PLASTIC)

DS-6
GRATE INLET
RIM ELEV. = 21.42'
N. INVERT ELEV. = 15.13' (2)54" R.C.P.)
S. INVERT ELEV. = 15.16' (2)54" R.C.P.)

DS-8
GRATE INLET
RIM ELEV. = 21.49'
N. INVERT ELEV. = 14.85' (2)54" R.C.P.)
S. INVERT ELEV. = 14.85' (2)54" R.C.P.)

DS-9
GRATE INLET
RIM ELEV. = 21.84'
N. INVERT ELEV. = 14.10' (2)54" R.C.P.)

DS-10
GRATE INLET
RIM ELEV. = 21.84'
E. INVERT ELEV. = 14.10' (2)54" R.C.P.)
S.E. INVERT ELEV. = 17.84 (FACMP)
TOP 10" STEEL PIPE N. AND S. ELEV. = 17.50'

DS-11
STORM MANHOLE
RIM ELEV. = 21.90'
E. AND W. INVERT ELEV. = 13.99' (54" R.C.P.)
TOP OF PIPE N. AND S. ELEV. = 19.25' (6" P.V.C.)

DS-12
STORM MANHOLE
RIM ELEV. = 31.84'
N. INVERT ELEV. = 26.30' (18" R.C.P.)
W. INVERT ELEV. = 26.43' (18" R.C.P.)
S. INVERT ELEV. = 26.23' (18" R.C.P.)
S.E. INVERT ELEV. = 26.91' (18" R.A.C.P.)

DS-13
STORM MANHOLE
GRATE ELEV. = 30.76'
N.W. INVERT ELEV. = 27.74' (54" R.C.P.)

SSMH-1
RIM ELEV. = 25.05'
N. INVERT ELEV. = 15.39' (10" R.C.P.)
S. INVERT ELEV. = 15.13' (12" P.V.C.)

SSMH-2
RIM ELEV. = 24.00'
S. INVERT ELEV. = 19.55' (8" P.V.C.)
W. INVERT ELEV. = 19.57' (8" P.V.C.)

SSMH-3
RIM ELEV. = 21.99'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

SSMH 11
RIM ELEV. = 31.17'
W. INVERT ELEV. = 26.57' (8" TC)
S. INVERT ELEV. = 26.77' (8" TC)
E. INVERT ELEV. = 26.52' (8" TC)
N. INVERT ELEV. = 26.77' (8" TC)
SW. INVERT ELEV. = 28.57' (4" TC)

SSMH-12
TOP RIM ELEV. = 23.14'
E. INVERT ELEV. = 17.58' (8" CLAY)
W. INVERT ELEV. = 17.53' (8" CLAY)

DS-14
STORM MANHOLE
RIM ELEV. = 23.88'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-15
STORM MANHOLE
RIM ELEV. = 25.84'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-16
STORM MANHOLE
RIM ELEV. = 23.99'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-17
STORM MANHOLE
RIM ELEV. = 31.04'
N. INVERT ELEV. = 25.62' (18" R.C.P.)
W. INVERT ELEV. = 25.30' (24" R.C.P.)
S. INVERT ELEV. = 26.09' (18" R.C.P.)

DS-18
STORM MANHOLE
RIM ELEV. = 30.69'
N. INVERT ELEV. = 26.80' (18" R.C.P.)

SSMH-4
RIM ELEV. = 31.99'
S. INVERT ELEV. = 27.96' (8" CLAY)
E. INVERT ELEV. = 27.84' (8" CLAY)
W. INVERT ELEV. = UNABLE TO DETERMINE PIPE SIZE & TYPE

SSMH-5
RIM ELEV. = 30.88'
E. INVERT ELEV. = 26.72' (8" CLAY)
W. INVERT ELEV. = 26.76' (8" CLAY)

SSMH-6
RIM ELEV. = 26.19'
E. INVERT ELEV. = 17.54' (8" CLAY)
W. INVERT ELEV. = 21.71' (8" CLAY)

SSMH-7
RIM ELEV. = 22.58'
N. INVERT ELEV. = 17.02' (8" CLAY)
NW. INVERT ELEV. = 18.28' (8" P.V.C.)
W. INVERT ELEV. = 17.01' (8" CLAY)
E. INVERT ELEV. = 17.03' (8" CLAY)
S.W. INVERT ELEV. = 19.88' (8" CLAY)

SSMH-8
RIM ELEV. = 22.50'
N. INVERT ELEV. = 14.33' (18" R.C.P.)
W. INVERT ELEV. = 16.32' (8" P.V.C.)
E. INVERT ELEV. = 14.28' (12" P.V.C.)

SSMH-9
RIM ELEV. = 31.81'
N. INVERT ELEV. = 28.57' (8" CLAY)
S. INVERT ELEV. = 28.62' (8" CLAY)
W. INVERT ELEV. = 29.09' (6" CLAY)
S.W. INVERT ELEV. = 29.09' (6" CLAY)

SSMH-10
RIM ELEV. = 29.87'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

0' 15' 30' 60'
SCALE: 1" = 30'

LEGEND	
SYMBOLS AND ABBREVIATIONS	
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
°	DEGREES
'	MINUTES OR FEET
"	SECONDS OR INCHES
FD.	FOUND
COR.	CORNER
L.B.	LICENSED BUSINESS
NO.	NUMBER
CONC.	CONCRETE
E/P	EDGE OF PAVEMENT
R/W	RIGHT OF WAY
BRG.	BEARING
ELEV.	ELEVATION
O.R.B.	OFFICIAL RECORDS BOOK
U.S.	UNITED STATES
T.B.M.	TEMPORARY BENCH MARK
NAVD	NORTH AMERICAN VERTICAL DATUM
±	MORE OR LESS
R.C.P.	ROUND CONCRETE PIPE
P.V.C.	POLYVINYL CHLORIDE
F.A.R.C.P.	FLAT ARCH REINFORCED CONCRETE PIPE
SSMH	SANITARY SEWER MANHOLE
?	CENTERLINE
Ⓢ	SANITARY SEWER MANHOLE
Ⓓ	STORMWATER MANHOLE
×	SPOT ELEVATION
✡	LIGHT POLE
	POWER POLE
	LIGHT POLE/POWER POLE
◑	GUY ANCHOR
	FIBER OPTIC BOX
	WATER VALVE
⊞	WATER METER
⊗	IRRIGATION VALVE
⧓	BACKFLOW PREVENTION VALVE
	WATER SHUTOFF VALVE
©	CLEANOUT
	GAS VALVE
	GAS METER
	GAS MARKER
	SIGN
	TREE
	PALM TREE
	TEMPORARY SITE BENCHMARK
	MAILBOX
—R/W—	RIGHT OF WAY
—OHW—	OVERHEAD WIRES
— WL —	UNDERGROUND WATER LINE
— UG —	UNDERGROUND GAS LINE
— UE —	UNDERGROUND CABLE LINE
— UT —	UNDERGROUND TELEPHONE LINE
— UTC —	UNDERGROUND TRAFFIC CONTROL
— SS —	SANITARY SEWER LINE
▬ ▬	STORM SEWER LINE
——	EXISTING CONTOUR
━□━	SILT FENCE

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER
705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER:
13066

DATE:
05/18/2023

PRINTED / REVISIONS	
# DESCRIPTION	DATE

SCALE: AS NOTED
DESIGNED BY: CBF
DRAWN BY: JAH
REVIEWED BY: CBF
ISSUE DATE: JUNE 2023
FILE NAME: 13066exist.dwg

PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
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(850)763-5200 www.panhandleengineering.com

WIATT Z. LEWIS
LICENSE
NO. 94236
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

EXISTING CONDITIONS WITH AERIAL
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER
C-1
PROJECT NUMBER
13066

SHEET TITLE:
EXISTING CONDITIONS WITH AERIAL

SHEET NUMBER:
C-1

DEWATERING NOTES:

CONTRACTOR SHALL OBTAIN A GENERAL PERMIT FOR DEWATERING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES SECTION. (CONTACT: KEVIN HARGETT, FDEP NW DIST. WASTEWATER SECTION. EMAIL: kevin.hargett@dep.state.us PHONE: 850.595.0687)

CONTRACTOR SHALL PROVIDE A DETAILED DEWATERING PLAN WITH METHODS TIME TABLE & DISCHARGE LOCATION TO ENGINEER FOR APPROVAL BEFORE COMMENCEMENT.

"DEWATERING EFFLUENT OF UNCONTAMINATED GROUNDWATER SHALL BE DISCHARGED SO AS TO PREVENT NEGATIVE IMPACTS TO PUBLIC HEALTH OR SAFETY, PROPERTY, OR THE WATER RESOURCE. DEWATERING OPERATIONS SHALL BE DIRECTED TO A SEDIMENT CONTROL DEVICE OR NATURAL ATTENUATION AREA PRIOR TO DISCHARGE TO WETLANDS OR OTHER SURFACE WATERS. A SEDIMENT CONTROL DEVICE MEANS A SETTLING POND, EXCAVATED SEDIMENT TRAP OR BASIN, DEWATERING TRAP OR TEMPORARY SEDIMENT CONTROL MEASURE. A NATURAL ATTENUATION AREA MEANS A NORMALLY DRY, GRASSED MEADOW OR OPEN AREA WITH EXISTING VEGETATION THAT IS NOT SUBJECT TO EROSION. IF A NATURAL ATTENUATION AREA IS USED, A MINIMUM 50 FOOT SETBACK SHALL BE MAINTAINED FROM THE RECEIVING WATERS OR WETLANDS. WHEN WATER IS UNAVOIDABLY DISCHARGED TO WETLANDS OR OTHER SURFACE WATERS, THE WATER DISCHARGED SHALL BE DONE IN A MANNER THAT DOES NOT CAUSE EROSION OR OTHER DAMAGE TO ADJACENT LANDS, AND DOES NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF WATER QUALITY STANDARDS. SETTLING PONDS AND SEDIMENT TRAPS OR BASINS SHALL BE IMPLEMENTED, AT A MINIMUM, IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 11.0, NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT APPLICANT'S HANDBOOK VOLUME I." IN ADDITION, DEWATERING ACTIVITIES MAY REQUIRE ADDITIONAL PERMITS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (INDUSTRIAL WASTEWATER) AND THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (CONSUMPTIVE USE).

PRIOR TO COMMENCEMENT OF CONSTRUCTION DEWATERING ACTIVITIES ANALYTICAL TEST OF UNTREATED GROUNDWATER FOR THE PARAMETERS LISTED IN TABLE 4-1 MUST BE PERFORMED FOR EACH LOCATION.

IF THE ANALYTICAL TESTS ARE WITHIN THE SCREENING VALUES LISTED IN TABLE 4-1 DEWATERING OF THE SITE MAY BEGIN IMMEDIATELY. A SUMMARY REPORT DESCRIBING THE PROPOSED ACTIVITY AND A COPY OF THE TEST REPORT SHOULD BE SENT TO THE LOCAL FDEP OFFICE WITHIN ONE WEEK AFTER DISCHARGE BEGINS.

ADDITIVE SAMPLES AND TESTING MUST BE PROVIDED WITHIN THIRTY DAYS AFTER INITIATION OF THE DISCHARGE AND THEN ONCE EVERY SIX MONTHS FOR THE DURATION OF THE PROJECT.

ALL ANALYTICAL TEST DATA, INCLUDING THIRTY DAY AND SIX MONTH TEST RESULTS SHOULD BE KEPT ON-SITE DURING DISCHARGE AND MADE AVAILABLE TO FDEP, IF REQUESTED.

DURING DEWATERING, APPROPRIATE FABRIC SILT SCREEN OR HAY BALES SHALL BE USED TO PREVENT TURBID DISCHARGES. WHEN POSSIBLE, ESTABLISH A DETENTION AREA TO ALLOW SUSPENDED SOLIDS TO SETTLE PRIOR TO DISCHARGE.

THE CONTRACTOR SHALL SELECT, IMPLEMENT AND OPERATE SUCH EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO PREVENT VIOLATIONS OF WATER QUALITY STANDARDS IN CHAPTER 62-302 F.A.C.

GROUNDWATER WITHDRAWALS FOR DEWATERING SHALL BE BY ONE OF THE FOLLOWING METHODS:

A) A CONVENTIONAL WELL POINT SYSTEM CONSISTING OF ONE OR MORE STAGES OF WELL POINTS INSTALLED NEAR THE PROPOSED EXCAVATION IN LINES OR RINGS. THE WELL POINTS SHALL BE INSTALLED IN VARIABLE SPACINGS AND CONNECTED TO A COMMON HEADER PRESSURIZED BY ONE OR MORE PUMPS.

B) VACUUM UNDERDRAIN SYSTEM CONSISTING OF AN UNDERDRAIN PIPE WITH FILTER SOCK COVERING PLACED HORIZONTALLY BELOW THE DESIGN EXCAVATION ELEVATION VIA TRENCHING MACHINE. THE UNDERDRAIN PIPE SHALL BE CONNECTED TO A PUMP WITH THE GROUNDWATER CONVEYED THROUGH THE PIPE AND DISCHARGED FROM THE PUMP.

C) VACUUM WELL(S) CONSISTING OF ONE OR MORE STAGES INSTALLED NEAR AN EXCAVATION IN LINES OR RINGS. THE VACUUM WELL(S) SHALL BE CONSTRUCTED WITH SIX INCH OR SMALLER PIPE WITH A SLOTTED SCREEN AREA NEAR THE BOTTOM OF THE WELL, AND CONNECTED TO A COMMON HEADER PUMPED BY ONE OR MORE PUMPS.

D) DEWATERING STORMWATER POND OR BASIN BY HYDRAULIC PUMP THROUGH THE EXISTING OR NEW DISCHARGE CONTROL STRUCTURE.

TABLE 4-1
GROUNDWATER DISCHARGE - SCREENING VALUES

PARAMETER	SCREENING VALUES FOR DISCHARGE INTO FRESH WATER
TOTAL ORGANIC CARBON (TOC)	10.0 mg/L
PH, STANDARD UNITS	6.0 - 8.5
TOTAL RECOVERABLE MERCURY	0.012 ug/L
TOTAL RECOVERABLE CADMIUM	9.3 ug/L
TOTAL RECOVERABLE COPPER	2.9 ug/L
TOTAL RECOVERABLE LEAD	0.03 ug/L
TOTAL RECOVERABLE ZINC	86.0 ug/L
TOTAL RECOVERABLE CHROMIUM (HEX.)	11.0 ug/L
BENZENE	1.0 ug/L
NAPHTHALENE	100.0 ug/L

mg/L = milligrams per liter
ug/L = micrograms per liter

ENVIRONMENTAL SEQUENCE

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS, DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

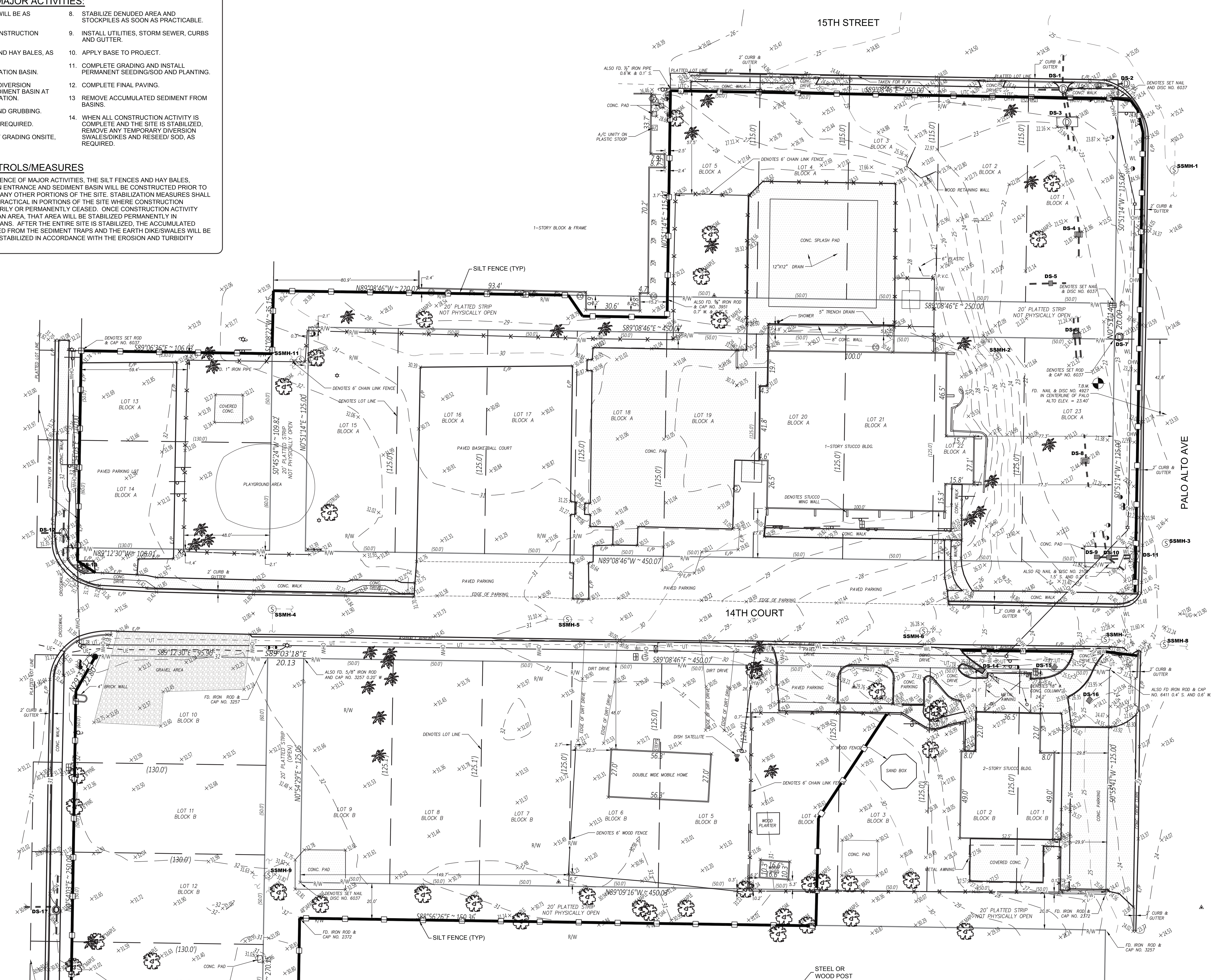
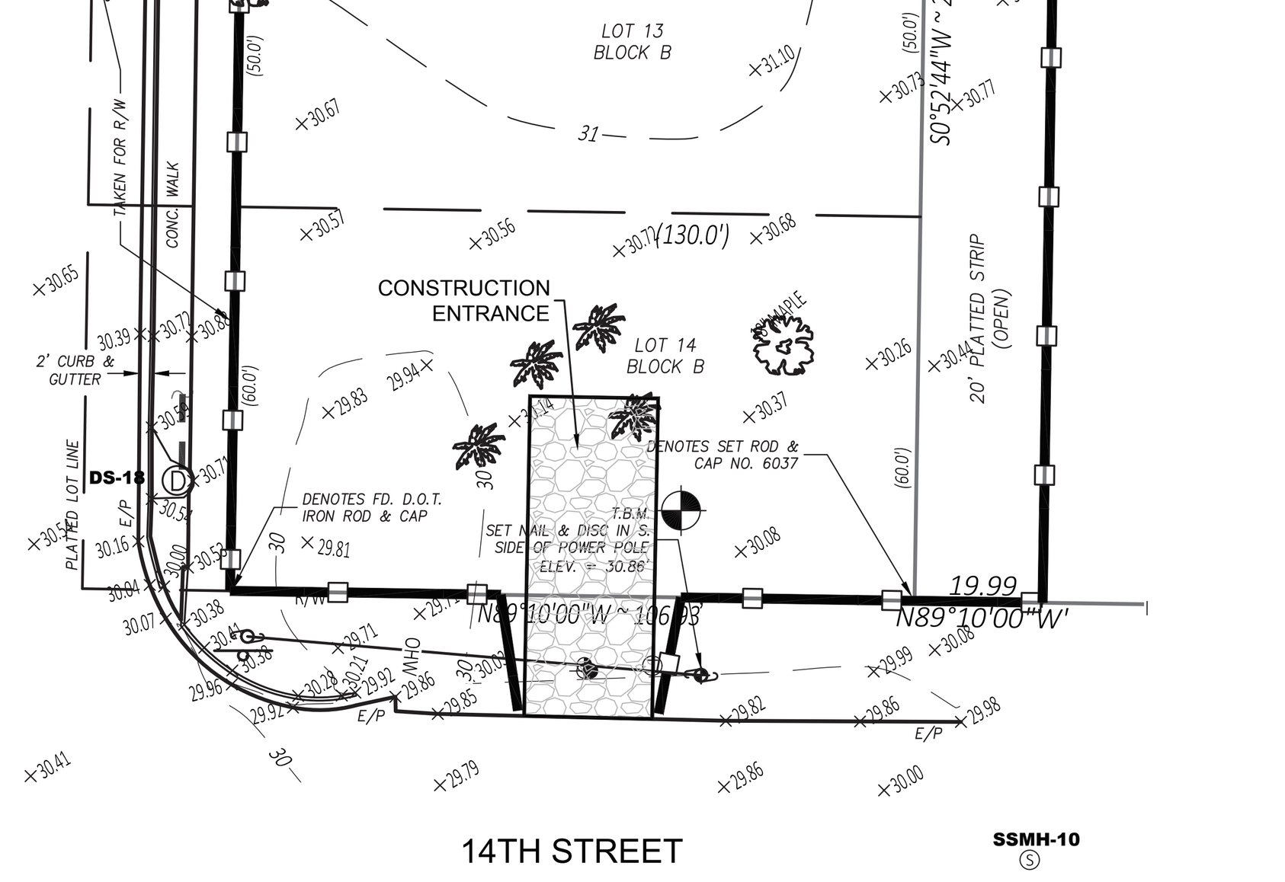
SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. INSTALL SILT FENCES AND HAY BALES, AS REQUIRED.
3. CONSTRUCT SEDIMENTATION BASIN.
4. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN AT PERMANENT POND LOCATION.
5. CONTINUE CLEARING AND GRUBBING.
6. STOCKPILE TOP SOIL IF REQUIRED.
7. PERFORM PRELIMINARY GRADING ONSITE, AS REQUIRED.
8. STABILIZE DENUDED AREA AND STOCKPILES AS SOON AS PRACTICABLE.
9. INSTALL UTILITIES, STORM SEWER, CURBS AND GUTTER.
10. APPLY BASE TO PROJECT.
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING.
12. COMPLETE FINAL PAVING.
13 REMOVE ACCUMULATED SEDIMENT FROM BASINS.
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/ SOD, AS REQUIRED.

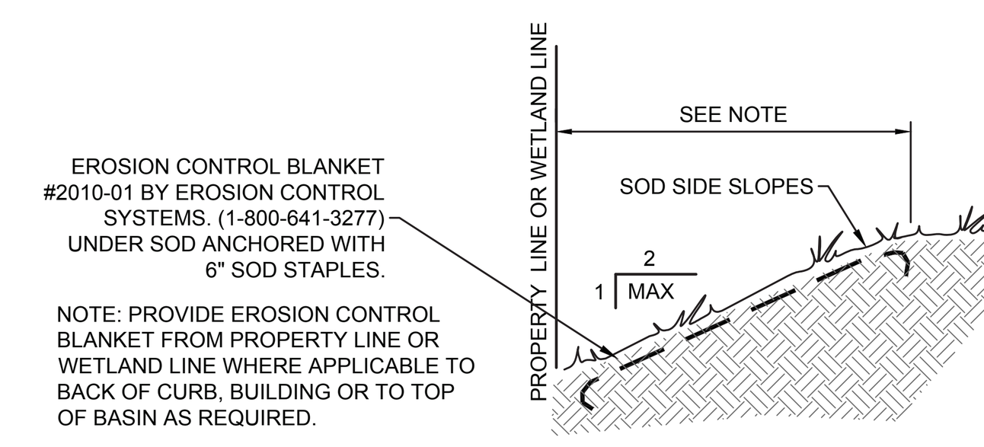
TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION AND TURBIDITY CONTROL PLAN.

0' 15' 30' 60'
SCALE: 1" = 30'

LEGEND	
SYMBOLS AND ABBREVIATIONS	
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
°	DEGREES
'	MINUTES OR FEET
"	SECONDS OR INCHES
FD.	FOUND
COR.	CORNER
L.B.	LICENSED BUSINESS
NO.	NUMBER
CONC.	CONCRETE
E/P	EDGE OF PAVEMENT
R/W	RIGHT OF WAY
BRG.	BEARING
ELEV.	ELEVATION
O.R.B.	OFFICIAL RECORDS BOOK
U.S.	UNITED STATES
T.B.M.	TEMPORARY BENCH MARK
NAVD	NORTH AMERICAN VERTICAL DATUM
±	MORE OR LESS
R.C.P.	ROUND CONCRETE PIPE
P.V.C.	POLYVINYL CHLORIDE
F.A.R.C.P.	FLAT ARCH REINFORCED CONCRETE PIPE
SSMH	SANITARY SEWER MANHOLE
℄	CENTERLINE
Ⓢ	SANITARY SEWER MANHOLE
Ⓓ	STORMWATER MANHOLE
×	SPOT ELEVATION
	LIGHT POLE
	POWER POLE
	LIGHT POLE/POWER POLE
	GUY ANCHOR
	FIBER OPTIC BOX
	WATER VALVE
	WATER METER
	IRRIGATION VALVE
	BACKFLOW PREVENTION VALVE
	WATER SHUTOFF VALVE
	CLEANOUT
	GAS VALVE
	GAS METER
	GAS MARKER
	SIGN
	TREE
	PALM TREE
	TEMPORARY SITE BENCHMARK
	MAILBOX
R/W	RIGHT OF WAY
OHW	OVERHEAD WIRES
WL	UNDERGROUND WATER LINE
UG	UNDERGROUND GAS LINE
UE	UNDERGROUND CABLE LINE
UT	UNDERGROUND TELEPHONE LINE
UTC	UNDERGROUND TRAFFIC CONTROL
SS	SANITARY SEWER LINE
	STORM SEWER LINE
	EXISTING CONTOUR
	SILT FENCE



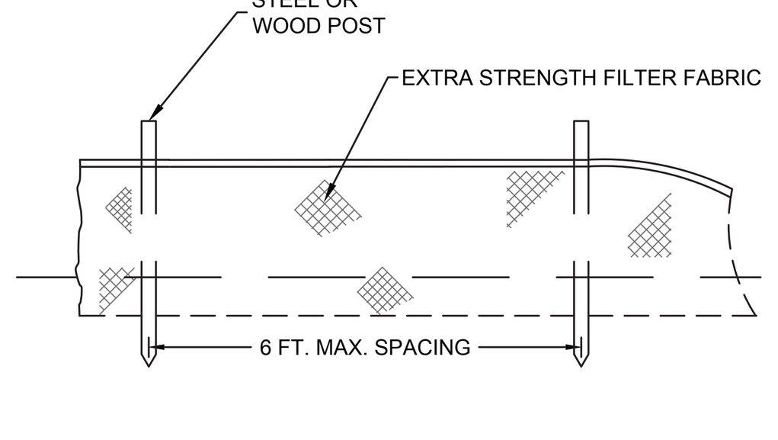
SLOPE STABILIZATION DETAIL
NOT TO SCALE

SLOPE STABILIZATION NOTES

FLAT TO 1:3 - SEED AND MULCH, HYDRO-SEED OR SOD.
1:3 TO 1:2 - SOD LAPPED AND PINNED.
1:2 TO 1:1 - EROSION CONTROL BLANKET AND SOD.
1:1 OR GREATER - RETAINING WALL OR ARMOR FORM.

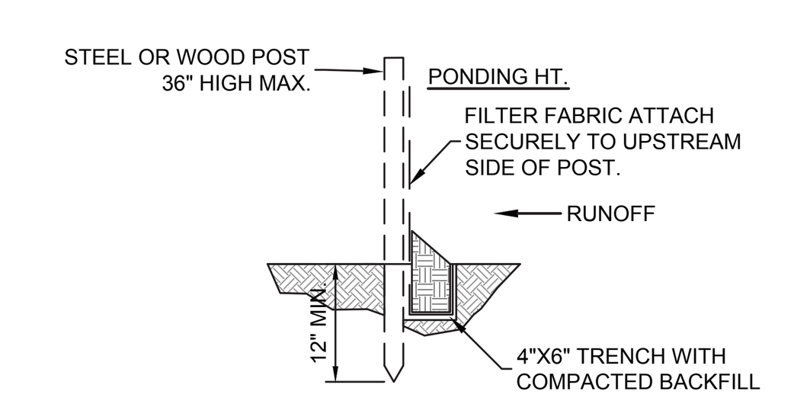
NOTES:

1. AREAS NOT SODDED TO BE STABILIZED WITH HYDROSEEDING.
2. SOD MAY BE REQUIRED BEYOND THE LIMITS IF NOTED SPECIFICALLY.



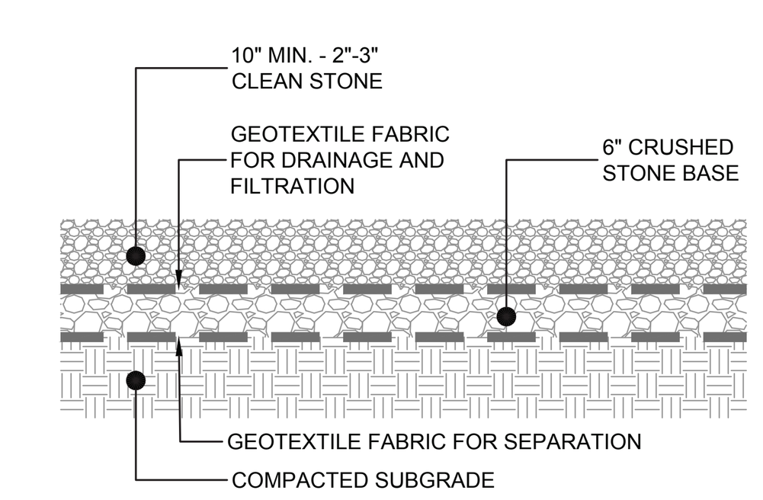
ELEVATION
NOT TO SCALE

NOTE:
1. INSPECT AND REPAIR FENCE 24 HRS AFTER EACH STORM EVENT. REMOVE SEDIMENTS NO LATER THAN WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD THE HEIGHT OF THE BARRIER.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



SINGLE ROW STAKED SILT FENCE DETAIL
NOT TO SCALE

STANDARD SILT FENCE DETAIL
NOT TO SCALE



CONSTRUCTION ENTRANCE NOTES:
1. GRADE SLOPE TO SITE.
2. PROVIDE CULVERT AS REQUIRED TO CARRY PRE-EXISTING DITCH FLOW. (SEE EXISTING PLAN VIEW FOR LOCATION)
3. CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
4. ALL MATERIALS SPILLED, DROPPED OR TRACKED ONTO PUBLIC ROADS (INCLUDING AGGREGATE STONE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY.

CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT TO RESTRICT ANY TURBID RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
2. CONTROL OF SEDIMENT-LADEN RUNOFF SHALL BE PROVIDED WITH HAY BALES AND/OR GEOTECH STYLE FABRICS. ALL CONTROL MEASURES SHALL BE PROPERLY LOCATED AND CONSTRUCTED TO PREVENT SEDIMENT TRANSPORT. THE MEANS FOR RETAINING THE SEDIMENTS WILL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT IMPROVEMENTS ARE COMPLETE.
3. THE CONTRACTOR IS RESPONSIBLE FOR TREATING ALL ONSITE STORMWATER DRAINAGE AS REQUIRED TO MEET THE CRITERIA OF 62-302 FLORIDA ADMINISTRATIVE CODE, F.A.C. PRIOR TO DISCHARGE.
4. ALL CATCH BASINS, INLETS AND ACCESSES TO UNDERGROUND STORMWATER SYSTEMS SHALL BE PROTECTED IN ACCORDANCE WITH THE ATTACHED DETAILS.
5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE TERMS AND CONDITIONS OF ANY STORMWATER PERMITS THAT MAY APPLY (FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, FLORIDA DEPARTMENT OF TRANSPORTATION, BAY COUNTY, WATER MANAGEMENT DISTRICT, ETC.).

EROSION CONTROL NOTES:
ALL INLETS SHALL HAVE HAY BALES OR SILT FENCE AROUND THEIR PERIMETER.

SILT FENCE AND HAY BALES ARE REQUIRED IN ALL AREAS AS DIRECTED BY THE ENGINEER.

PROTECTED TREES NOTE:
NO PROTECTED TREES WILL BE IMPACTED UNLESS PERMITTED INDEPENDENTLY.

WIATT Z. LEWIS LICENSE NO. 94236 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: AS NOTED
DESIGNED BY: CBF
DRAWN BY: JAH
REVIEWED BY: CBF
ISSUE DATE: JUNE 2023
FILE NAME: 13066exist.dwg

PANHANDLE ENGINEERING, INC.
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EROSION CONTROL PLAN
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER C-2
PROJECT NUMBER 13066

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER
705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS

# DESCRIPTION	DATE

SHEET TITLE: EROSION CONTROL PLAN

SHEET NUMBER: C-2

DS-1
STORM MANHOLE
RIM ELEV. = 24.59' (48" R.C.P.)
N. INVERT ELEV. = 17.04' (54" R.C.P.)
S. INVERT ELEV. = 16.89' (54" R.C.P.)
E. INVERT ELEV. = 16.90' (48" R.C.P.)
W. INVERT ELEV. = 17.97' (24" R.C.P.)

DS-2
RIM ELEV. = 24.66'
E. INVERT ELEV. = 17.46' (36" R.C.P.)
W. INVERT ELEV. = 17.29' (36" R.C.P.)
TOP OF PIPE N. AND S. ELEV. = 18.00'± (8" STEEL)
TOP OF PIPE N. AND S. ELEV. = 20.96' (10" STEEL)

DS-3
STORM MANHOLE
RIM ELEV. = 23.94'
N. INVERT ELEV. = 16.09' (2)54" R.C.P.)
S. INVERT ELEV. = 16.09' (2)54" R.C.P.)

DS-4
GRATE INLET
RIM ELEV. = 21.92'
N. INVERT ELEV. = 15.59' (54" R.C.P.)
S. INVERT ELEV. = 15.57' (54" R.C.P.)

DS-5
GRATE INLET
RIM ELEV. = 21.04'
E. INVERT ELEV. = 17.29' (24" R.C.P.)
W. INVERT ELEV. = 19.99' (6" PLASTIC)

DS-6
GRATE INLET
RIM ELEV. = 21.42'
N. INVERT ELEV. = 15.13' (2)54" R.C.P.)
S. INVERT ELEV. = 15.16' (2)54" R.C.P.)

DS-8
GRATE INLET
RIM ELEV. = 21.49'
N. INVERT ELEV. = 14.85' (2)54" R.C.P.)
S. INVERT ELEV. = 14.85' (2)54" R.C.P.)

DS-9
GRATE INLET
RIM ELEV. = 21.84'
N. INVERT ELEV. = 14.10' (2)54" R.C.P.)

DS-10
GRATE INLET
RIM ELEV. = 21.84'
E. INVERT ELEV. = 14.10' (2)54" R.C.P.)
S.E. INVERT ELEV. = 17.84 (FACMP)
TOP 10" STEEL PIPE N. AND S. ELEV. = 17.50'

DS-11
STORM MANHOLE
RIM ELEV. = 21.90'
E. AND W. INVERT ELEV. = 13.99' (54" R.C.P.)
TOP OF PIPE N. AND S. ELEV. = 19.25' (6" P.V.C.)

DS-12
STORM MANHOLE
RIM ELEV. = 31.84'
N. INVERT ELEV. = 26.30' (18" R.C.P.)
W. INVERT ELEV. = 26.43' (18" R.C.P.)
S. INVERT ELEV. = 26.23' (18" R.C.P.)
S.E. INVERT ELEV. = 26.91' (18" R.A.C.P.)

DS-13
STORM MANHOLE
GRATE ELEV. = 30.76'
N.W. INVERT ELEV. = 27.74' (54" R.C.P.)

SSMH-1
RIM ELEV. = 25.05'
N. INVERT ELEV. = 15.39' (10" R.C.P.)
S. INVERT ELEV. = 15.13' (12" P.V.C.)

SSMH-2
RIM ELEV. = 24.00'
S. INVERT ELEV. = 19.55' (8" P.V.C.)
W. INVERT ELEV. = 19.57' (8" P.V.C.)

SSMH-3
RIM ELEV. = 21.99'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

SSMH 11
RIM ELEV. = 31.17'
W. INVERT ELEV. = 26.57' (8" TC)
S. INVERT ELEV. = 26.77' (8" TC)
E. INVERT ELEV. = 26.52' (8" TC)
N. INVERT ELEV. = 26.77' (8" TC)
SW. INVERT ELEV. = 28.57' (4" TC)

SSMH-12
TOP RIM ELEV. = 23.14'
E. INVERT ELEV. = 17.58' (8" CLAY)
W. INVERT ELEV. = 17.53' (8" CLAY)

DS-14
STORM MANHOLE
RIM ELEV. = 23.88'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-15
STORM MANHOLE
RIM ELEV. = 25.84'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-16
STORM MANHOLE
RIM ELEV. = 23.99'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)

DS-17
STORM MANHOLE
RIM ELEV. = 31.04'
N. INVERT ELEV. = 25.62' (18" R.C.P.)
W. INVERT ELEV. = 25.30' (24" R.C.P.)
S. INVERT ELEV. = 26.09' (18" R.C.P.)

DS-18
STORM MANHOLE
RIM ELEV. = 30.69'
N. INVERT ELEV. = 26.80' (18" R.C.P.)

SSMH-4
RIM ELEV. = 31.99'
S. INVERT ELEV. = 27.96' (8" CLAY)
E. INVERT ELEV. = 27.84' (8" CLAY)
W. INVERT ELEV. = UNABLE TO DETERMINE PIPE SIZE & TYPE

SSMH-5
RIM ELEV. = 30.88'
E. INVERT ELEV. = 26.72' (8" CLAY)
W. INVERT ELEV. = 26.76' (8" CLAY)

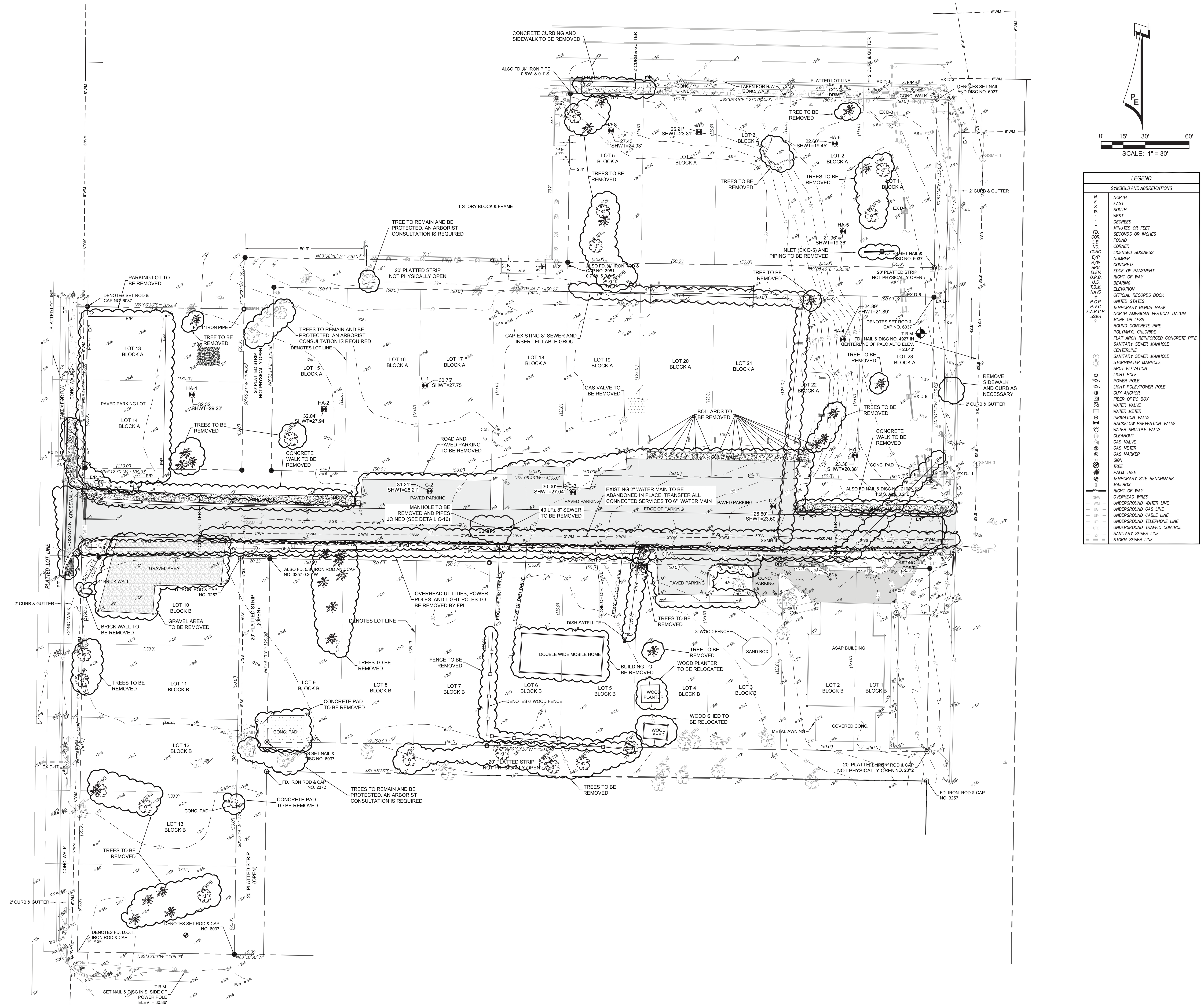
SSMH-6
RIM ELEV. = 26.19'
E. INVERT ELEV. = 17.54' (8" CLAY)
W. INVERT ELEV. = 21.71' (8" CLAY)

SSMH-7
RIM ELEV. = 22.58'
N. INVERT ELEV. = 17.02' (8" CLAY)
NW. INVERT ELEV. = 18.28' (8" P.V.C.)
W. INVERT ELEV. = 17.01' (8" CLAY)
E. INVERT ELEV. = 17.03' (8" CLAY)
S.W. INVERT ELEV. = 19.88' (8" CLAY)

SSMH-8
RIM ELEV. = 22.50'
N. INVERT ELEV. = 14.33' (18" R.C.P.)
W. INVERT ELEV. = 16.32' (8" P.V.C.)
E. INVERT ELEV. = 14.28' (12" P.V.C.)

SSMH-9
RIM ELEV. = 31.81'
N. INVERT ELEV. = 28.57' (8" CLAY)
S. INVERT ELEV. = 28.62' (8" CLAY)
W. INVERT ELEV. = 29.09' (6" CLAY)
S.W. INVERT ELEV. = 29.09' (6" CLAY)

SSMH-10
RIM ELEV. = 29.87'
UNABLE TO DETERMINE PIPE SIZES & DIRECTION
(FULL OF WATER)



LEGEND	
SYMBOLS AND ABBREVIATIONS	
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
°	DEGREES
'	MINUTES OR FEET
"	SECONDS OR INCHES
FD.	FOUND
COR.	CORNER
L.B.	LICENSED BUSINESS
NO.	NUMBER
CONC.	CONCRETE
E/P	EDGE OF PAVEMENT
R/W	RIGHT OF WAY
BRG.	BEARING
ELEV.	ELEVATION
O.R.B.	OFFICIAL RECORDS BOOK
U.S.	UNITED STATES
T.B.M.	TEMPORARY BENCH MARK
NAVD	NORTH AMERICAN VERTICAL DATUM
±	MORE OR LESS
R.C.P.	ROUND CONCRETE PIPE
P.V.C.	POLYVINYL CHLORIDE
F.A.R.C.P.	FLAT ARCH REINFORCED CONCRETE PIPE
SSMH	SANITARY SEWER MANHOLE
?	CENTERLINE
	SANITARY SEWER MANHOLE
	STORMWATER MANHOLE
	SPOT ELEVATION
	LIGHT POLE
	POWER POLE
	LIGHT POLE/POWER POLE
	GUY ANCHOR
	FIBER OPTIC BOX
	WATER VALVE
	WATER METER
	IRRIGATION VALVE
	BACKFLOW PREVENTION VALVE
	WATER SHUTOFF VALVE
	CLEANOUT
	GAS VALVE
	GAS METER
	GAS MARKER
	SIGN
	TREE
	PALM TREE
	TEMPORARY SITE BENCHMARK
	MAILBOX
R/W	RIGHT OF WAY
OHW	OVERHEAD WIRES
WM	UNDERGROUND WATER LINE
UG	UNDERGROUND GAS LINE
UE	UNDERGROUND CABLE LINE
UT	UNDERGROUND TELEPHONE LINE
UTC	UNDERGROUND TRAFFIC CONTROL
SS	SANITARY SEWER LINE
	STORM SEWER LINE

GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL WORK IN THIS SET OF DRAWINGS.
2. CONTRACTOR SHALL REVIEW ALL PERMITS PRIOR TO CONSTRUCTION FOR ANY CHANGES TO THE DESIGN INCLUDED THEREIN. NOTIFY ENGINEER/OWNER OF ANY REQUIRED CHANGES PRIOR TO CONSTRUCTION.
3. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND GAS PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION IN ANY PUBLIC OR PRIVATE STREET, ALLEY, RIGHT-OF-WAY DEDICATED TO THE PUBLIC USE, OR GAS UTILITY EASEMENT WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF THE PROPOSED EXCAVATION." THIS INCLUDES ANY OPERATION UTILIZING HAND TOOLS OR POWER TOOLS WHICH MOVES OR REMOVES ANY STRUCTURE, EARTH, ROCK, OR OTHER MASS OF MATERIAL BY SUCH METHODS AS DIGGING, BACKFILLING, DEMOLITION, GRADING, DITCHING, BORING AND CABLE PLOWING. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATING (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).
4. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS AND CABLE TV COMPANIES.
5. PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS SO THAT PERIODIC SITE VISITS MAY BE COORDINATED TO ENSURE TIMELY CERTIFICATION OF COMPLETION TO AGENCIES AND AVOID DELAYS IN ISSUANCE OF CERTIFICATES OF OCCUPANCY/COMPLETION. .
6. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
7. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREIN, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING PRIOR TO CONSTRUCTION IN THE AREA IMPACTED BY THE CONFLICT. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND OWNER.
8. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCREPANCIES FOUND BETWEEN DRAWINGS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION IN THE AREA IMPACTED BY THE CONFLICT.
9. ALL RECOMMENDATIONS AND REQUIREMENTS OF THE INSPECTION PERSONNEL OTHER THAN OWNER'S SHALL BE REPORTED TO ENGINEER/OWNER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY ENGINEER/OWNER.
10. CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
11. ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE CITY, OWNER, INVOLVED UTILITY COMPANIES, ENGINEER AND REGULATORY AGENCIES.
12. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE INFORMATION PROVIDED IN THESE DRAWINGS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETE STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED, IT SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY OWNER, ENGINEER AND CITY.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROJECT SITE DURING CONSTRUCTION, TO PREVENT TRESPASSING OF UNAUTHORIZED PEDESTRIANS AND/OR VEHICLES IN ALL WORK AREAS. THE CONTRACTOR SHALL POST SIGNS, CONSTRUCT BARRIERS OR IMPLEMENT OTHER METHODS NECESSARY TO CONTROL ACCESS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR TRESPASSING ON THE CONSTRUCTION SITE OR DAMAGES TO ANY WORK RELATED THERETO.
15. EROSION CONTROL MEASURES WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT TO RESTRICT ANY TURBID RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
16. CONTROL OF SEDIMENT-LADEN RUNOFF SHALL BE PROVIDED WITH HAY BALES AND/OR GEOTECH STYLE FABRICS. ALL CONTROL MEASURES SHALL BE PROPERLY LOCATED AND CONSTRUCTED TO PREVENT SEDIMENT TRANSPORT. THE MEANS FOR RETAINING THE SEDIMENTS WILL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT IMPROVEMENTS ARE COMPLETE.
17. THE CONTRACTOR IS RESPONSIBLE FOR TREATING ALL ONSITE STORMWATER DRAINAGE AS REQUIRED TO MEET THE CRITERIA OF 62-3 FLORIDA ADMINISTRATIVE CODE, F.A.C. PRIOR TO DISCHARGE.
18. ALL CATCH BASINS, INLETS AND ACCESSES TO UNDERGROUND STORMWATER SYSTEMS SHALL BE PROTECTED IN ACCORDANCE WITH THE ATTACHED DETAILS.
19. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE TERMS AND CONDITIONS OF ANY STORMWATER PERMITS THAT MAY APPLY (FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, FLORIDA DEPARTMENT OF TRANSPORTATION, BAY COUNTY, WATER MANAGEMENT DISTRICT, ETC.).
20. SEED AND MULCH ALL DISTURBED AREAS WITH RYE GRASS SEED AND HAY MULCH
21. LOCATE ALL SEWER STUB OUTS, CUT/CAP, AND IDENTIFY WITH MARKER FOR FUTURE CONNECTION AT THE R/W.
22. LOCATE ALL WATER SERVICES, CUT/CAP, AND PROVIDE MARKS FOR FUTURE CONNECTION AT THE R/W.
23. ALL INLETS SHALL HAVE HAY BALES OR SILT FENCE AROUND THEIR PERIMETER.
24. SILT FENCE AND HAY BALES ARE REQUIRED IN ALL AREAS AS DIRECTED BY THE ENGINEER.
25. NO PROTECTED TREES WILL BE IMPACTED UNLESS PERMITTED INDEPENDENTLY.
26. INSPECT AND REPAIR FENCE 24 HRS AFTER EACH STORM EVENT. REMOVE SEDIMENTS NO LATER THAN WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD THE HEIGHT OF THE BARRIER.
27. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
28. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY
29. CONTRACTOR SHALL DISPOSE OF ALL MATERIAL AT THE STEEL FIELD LANDFILL AND PROVIDE A LETTER CERTIFYING THAT ALL MATERIAL WAS DELIVERED TO THIS SITE.
30. CONTRACTOR MAY SALVAGE MATERIAL, BUT SHALL PROVIDE DOCUMENTATION ON DELIVERY OF SALVAGED MATERIAL.
31. CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER AND LIGHT FOR RELOCATION OF THEIR UTILITIES.

WIATT Z. LEWIS LICENSE NO. 94236 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: AS NOTED
DESIGNED BY: CBF
DRAWN BY: JAH
REVIEWED BY: CBF
ISSUE DATE: JUNE 2023
FILE NAME: 13066E2.dwg

PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
600 Ohio Avenue Lynn Haven, Florida 32444
(850)763-5200 www.panhandleengineering.com

DEMOLITION PLAN
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER C-3
PROJECT NUMBER 13066

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER
705 14TH COURT EAST
PANAMA CITY, FL 32401

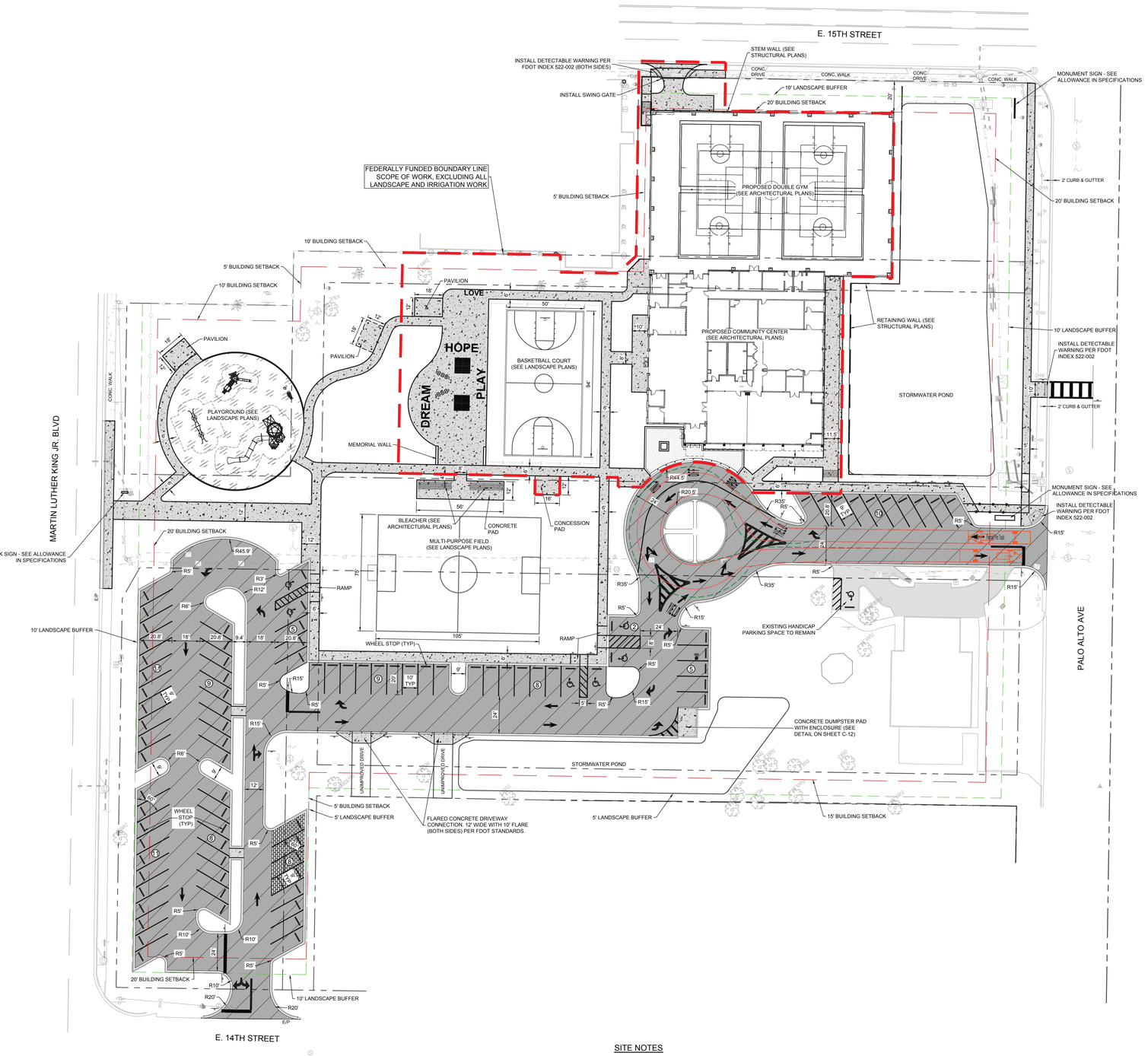
JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS
DESCRIPTION DATE

SHEET TITLE: DEMOLITION PLAN

SHEET NUMBER: C-3



SCALE: 1" = 30'

0' 15' 30' 60'

SCALE: 1" = 30'

SITE DATA SCHEDULE

ZONING: PI	ACRES	AREA – SF	
TOTAL SITE AREA	4.83	210,351	
TOTAL DEVELOPMENT AREA	4.83	210,351	
EXISTING & NEW	SF/TOTAL AREA		TOTAL
ISR	IMP SPACE 104,353.5/210,351		49.61%
FAR	FLOOR AREA 28,552.4/210,351		13.57%
OSR	OPEN SPACE 105,997.5/210,351		50.39%
SCS SOIL TYPES	SEE GEOTECHINICAL SOIL BORING & TEST REPORT		

BUFFER:
10' BUFFER ALONG STREETS & HIGHWAYS
5' BUFFER ALONG RESIDENTIAL

BUILDING SETBACKS:
FRONT: 15'
SIDE: 5'
REAR: 10'/25'
ALONG ROADS: 20'

FLOOR AREA RATIO
70%

IMPERVIOUS SURFACE RATIO
90%

MAX. BUILDING HEIGHT:
NONE

PARKING STALL REQUIREMENT
STANDARD STALL 9'min.X20'min.
HC STALL 12'min.X20'min. W/5' ISLE
HC VAN STALL 12'minX20'min. W/8' ISLE
(90° PARKS)

PARKING REQUIREMENTS:
PROJECT DESCRIPTION:
GYMNASIUM 1 SPACE PER 3 SEATS
(238 SEATS)
COMMUNITY CENTER 1 SPACE PER 200 SQ. FT.
(12,000 SQ. FT.)
REQUIRED = 140 (5 HC)
PROVIDED = 86 (6 HC)

LEGEND

- PROPOSED CONSTRUCTION
- EXISTING TO REMAIN
- EXISTING GUY ANCHOR
- EXISTING POWER POLE
- SIGN
- EXISTING FIRE HYDRANT
- HANDICAP PARKING
- R/W RIGHT OF WAY
- EOP EDGE OF PAVEMENT
- CL CENTERLINE
- UNO UNLESS NOTED OTHERWISE
- DWS DETECTABLE WARNING SURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE
- DETECTABLE WARNING SURFACE (DWS)
- TREE TO REMAIN

SITE NOTES

1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.
3. ABOVE GROUND STRUCTURES, Etc... ARE SHOWN ON THIS SHEET.
4. ALL TRAFFIC STRIPING TO BE THERMOPLASTIC PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. (WAIT MINIMUM OF 30 DAYS AFTER ASPHALT CONCRETE PLACEMENT TO PLACE PERMANENT THERMOPLASTIC MARKING. TEMPORARY STRIPING TO BE PAINTED STOP BAR ONLY.)
5. ALL DISTURBED AREAS SHALL BE GRASSED UNLESS OTHERWISE NOTED. HYDROSEED SLOPES 4:1 & FLATTER, SOD SLOPES STEEPER THAN 4:1. ALL SOD TO BE STAGGERED & PINNED.
6. PLACE SOD ALONG EDGES OF NEW DRIVEWAY (30" MIN. WIDTH).
7. NO DAYTIME LANE CLOSURES ALLOWED.
8. CONTRACTOR TO FIELD VERIFY ALL UTILITIES ABOVE OR BELOW GROUND AND NOTIFY ALL UTILITY COMPANIES 2 DAYS PRIOR TO CONSTRUCTION.
9. FOR MAINTENANCE OF TRAFFIC CONTROL THROUGH WORK ZONES, REFER TO FDOT STD. PLANS INDEX 102-612 & 102-613 AS APPLICABLE.
10. ALL DEMOLISHED MATERIALS (i.e. SIGNS, CONCRETE, ASPHALT, ETC.) TO BE REMOVED AND DISPOSED OF IN LEGAL MANNER.
11. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY CRITERIA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
12. ALL REGULATORY TRAFFIC SIGNAGE TO BE INSTALLED PER FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
13. THE CONTRACTOR SHALL REFER TO ALL CITY STANDARDS AND DETAILS LOCATED ON THE CITY OF PANAMA CITY OFFICIAL WEBSITE, http//www.panama city.gov WHICH SUPERCEDED ALL NOTES AND DETAILS UNLESS NOT AS STRINGENT.

WIATT Z. LEWIS LICENSE NO. 94236 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: AS NOTED
DESIGNED BY: CBF
DRAWN BY: JAH
REVIEWED BY: CBF
ISSUE DATE: JUNE 2023
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FEDERALLY FUNDED BOUNDARY LINE
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER C-4
PROJECT NUMBER 13066

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER

705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE: FEDERALLY FUNDED BOUNDARY LINE

SHEET NUMBER: C-4

SCALE: 1" = 30'

0' 15' 30' 60'

SCALE: 1" = 30'

LEGEND

- PROPOSED CONSTRUCTION
- EXISTING TO REMAIN
- EXISTING GUY ANCHOR
- EXISTING POWER POLE
- SIGN
- EXISTING FIRE HYDRANT
- HANDICAP PARKING
- RW RIGHT OF WAY
- EOP EDGE OF PAVEMENT
- ℄ CENTERLINE
- UNO UNLESS NOTED OTHERWISE
- DWS DETECTABLE WARNING SURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE
- DETECTABLE WARNING SURFACE (DWS)
- PROPOSED PAVERS
- TREE TO REMAIN

SITE NOTES

1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.
3. ABOVE GROUND STRUCTURES, Etc... ARE SHOWN ON THIS SHEET.
4. ALL TRAFFIC STRIPING TO BE THERMOPLASTIC PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. (WAIT MINIMUM OF 30 DAYS AFTER ASPHALT CONCRETE PLACEMENT TO PLACE PERMANENT THERMOPLASTIC MARKING. TEMPORARY STRIPING TO BE PAINTED STOP BAR ONLY.)
5. ALL DISTURBED AREAS SHALL BE GRASSED UNLESS OTHERWISE NOTED. HYDROSEED SLOPES 4:1 & FLATTER, SOD SLOPES STEEPER THAN 4:1. ALL SOD TO BE STAGGERED & PINNED.
6. PLACE SOD ALONG EDGES OF NEW DRIVEWAY (30" MIN. WIDTH).
7. NO DAYTIME LANE CLOSURES ALLOWED.
8. CONTRACTOR TO FIELD VERIFY ALL UTILITIES ABOVE OR BELOW GROUND AND NOTIFY ALL UTILITY COMPANIES 2 DAYS PRIOR TO CONSTRUCTION.
9. FOR MAINTENANCE OF TRAFFIC CONTROL THROUGH WORK ZONES, REFER TO FDOT STD. PLANS INDEX 102-612 & 102-613 AS APPLICABLE.
10. ALL DEMOLISHED MATERIALS (i.e. SIGNS, CONCRETE, ASPHALT, ETC.) TO BE REMOVED AND DISPOSED OF IN LEGAL MANNER.
11. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY CRITERIA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
12. ALL REGULATORY TRAFFIC SIGNAGE TO BE INSTALLED PER FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.

WATT Z. LEWIS LICENSE NO. 94236 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: AS NOTED
DESIGNED BY: CBF
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MASTER CIVIL SITE PLAN WITH AERIAL
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER C-5
PROJECT NUMBER 13066

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER

705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE: MASTER CIVIL SITE PLAN WITH AERIAL

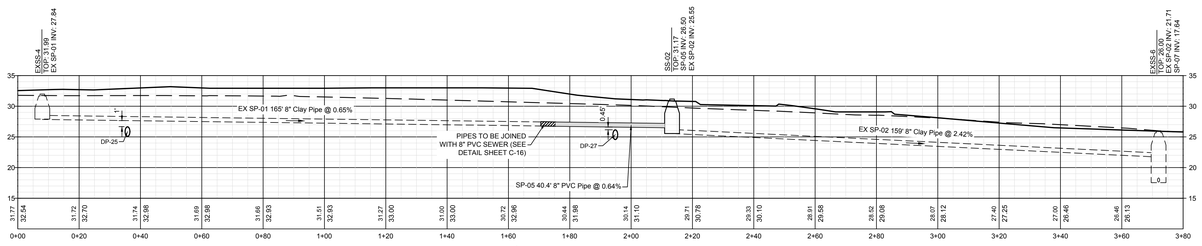
SHEET NUMBER: C-5

LEGEND

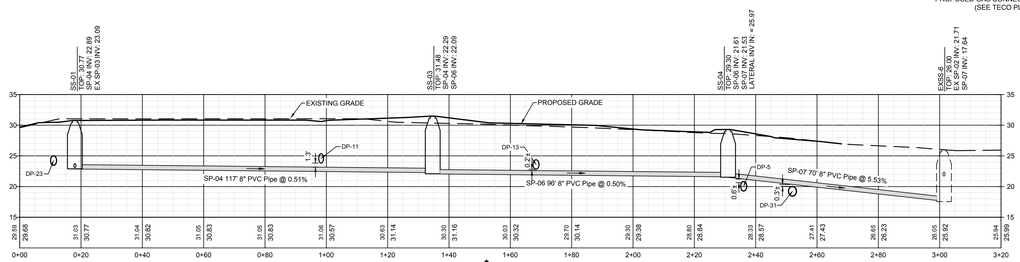
- LIMITS OF CONSTRUCTION
- PROPOSED CONSTRUCTION
- EXISTING TO REMAIN
- WM — PROPOSED WATER LINE (SIZE AS NOTED)
- SS — PROPOSED SEWER LINE (SIZE AS NOTED)
- PROPOSED MANHOLE (SANITARY OR STORM)
- CLEANOUT
- EXISTING MANHOLE (SANITARY OR STORM)
- EXISTING GUY ANCHOR
- EXISTING POWER POLE
- SIGN
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING VALVE
- PROPOSED VALVE
- HANDICAP PARKING
- R/W — RIGHT OF WAY
- EOP — EDGE OF PAVEMENT
- CENTERLINE
- UNO — UNLESS NOTED OTHERWISE
- DWS — DETECTABLE WARNING SURFACE
- LS — LANDSCAPE AREAS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE
- EXISTING ASPHALT
- DETECTABLE WARNING SURFACE (DWS)
- PROPOSED PAVERS
- TREE TO REMAIN

0' 10' 20' 40'

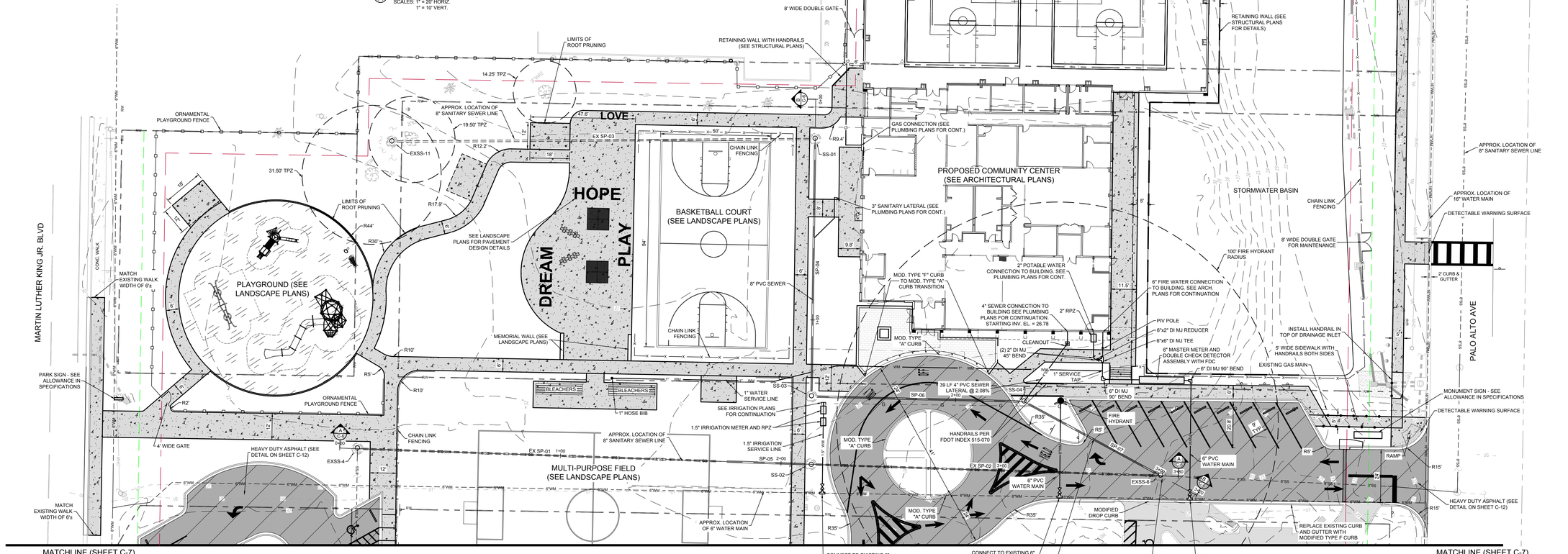
SCALE: 1" = 20'



A / C-10 SECTION A-A
SCALES: 1" = 20' HORIZ.
1" = 10' VERT.



A / C-10 SECTION B-B
SCALES: 1" = 20' HORIZ.
1" = 10' VERT.



SANITARY SEWER STRUCTURE TABLE			
NO.	STRUCTURE TYPE	TOP ELEV	PIPE INVERTS
SS-01	Sanitary Sewer Manhole	30.77'	(S) 22.89' (SP-04) (W) 23.09' (EX SP-03)
SS-02	Sanitary Sewer Doghouse Manhole	31.17'	(W) 26.50' (SP-05). (E) 25.55' (EX SP-02)
SS-03	Sanitary Sewer Manhole	31.48'	(N) 22.29' (SP-04) (E) 22.09' (SP-06)
SS-04	Sanitary Sewer Manhole	29.30'	(W) 21.61' (SP-06) (SE) 21.53' (SP-07)

SANITARY SEWER PIPE TABLE				
NO.	SIZE	LF	SLOPE	INVERTS
SP-04	8" PVC Pipe	117'	0.51%	SS-01 = 22.89' SS-03 = 22.29'
SP-05	8" PVC Pipe	40'	0.64%	EXSS-5 = 26.78' SS-02 = 26.50'
SP-06	8" PVC Pipe	96'	0.50%	SS-03 = 22.09' SS-04 = 21.61'
SP-07	8" PVC Pipe	70'	5.53%	SS-04 = 21.53' EXSS-6 = 17.64'

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER

705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE: SITE & UTILITY PLAN

SHEET NUMBER: C-6

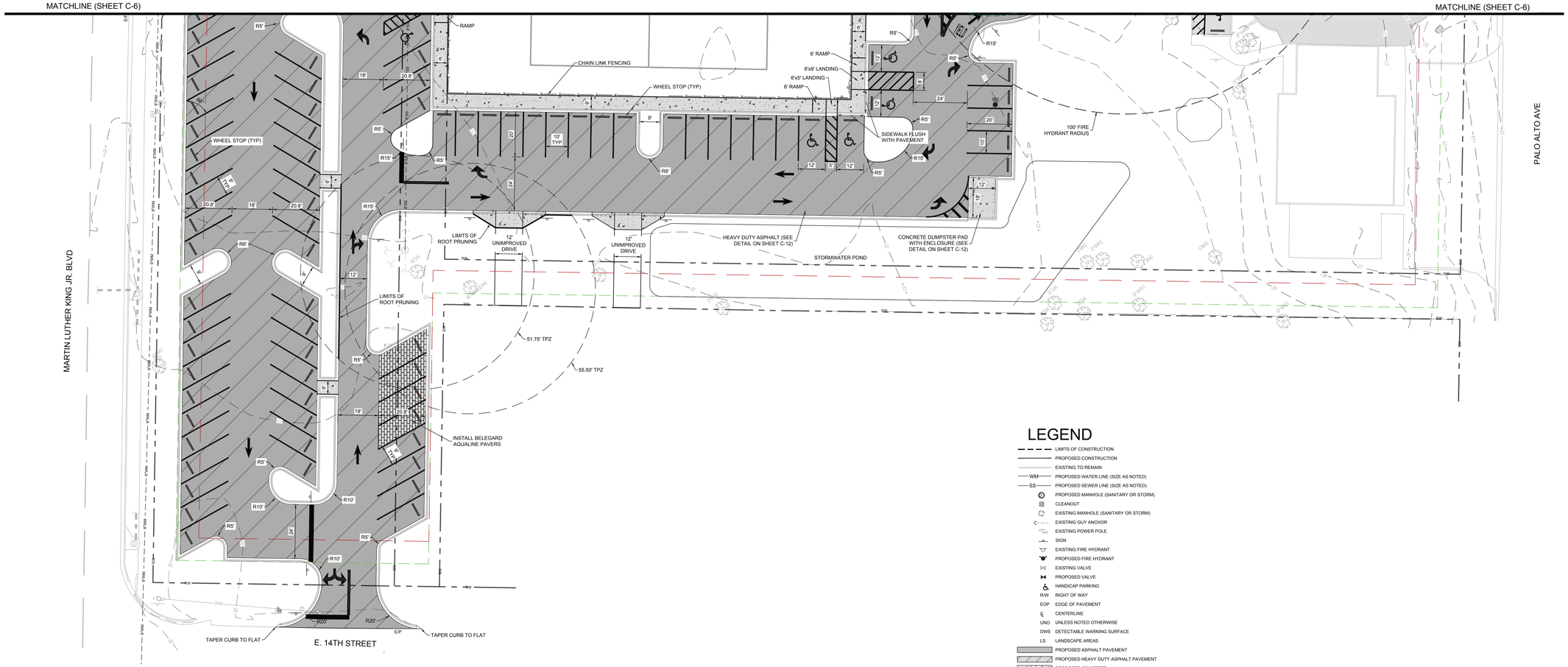
SCALE: AS NOTED
DESIGNED BY: CBF
DRAWN BY: JAH
REVIEWED BY: CBF
ISSUE DATE: JUNE 2023
FILE NAME: 13066E2.dwg

PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS ● CIVIL ENGINEERS ● LAND PLANNERS
600 Ohio Avenue Lynn Haven, Florida 32444
(850)763-5200 www.panhandleengineering.com

SITE AND UTILITY PLAN
MARTIN LUTHER KING JR., RECREATION CENTER
701 14TH COURT EAST
PANAMA CITY, FL 32401

SHEET NUMBER C-6
PROJECT NUMBER 13066

MATT Z. LEWIS LICENSE NO. 94236 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER



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SITE NOTES

1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.
3. ABOVE GROUND STRUCTURES, Etc., ARE SHOWN ON THIS SHEET.
4. ALL TRAFFIC STRIPING TO BE THERMOPLASTIC PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. (WAIT MINIMUM OF 30 DAYS AFTER ASPHALT CONCRETE PLACEMENT TO PLACE PERMANENT THERMOPLASTIC MARKING. TEMPORARY STRIPING TO BE PAINTED STOP BAR ONLY.)
5. ALL DISTURBED AREAS SHALL BE GRASSED UNLESS OTHERWISE NOTED. HYDROSEED SLOPES 4:1 & FLATTER, SOD SLOPES STEEPER THAN 4:1. ALL SOD TO BE STAGGERED & PINNED.
6. PLACE SOD ALONG EDGES OF NEW DRIVEWAY (30" MIN. WIDTH).
7. NO DAYTIME LANE CLOSURES ALLOWED.
8. CONTRACTOR TO FIELD VERIFY ALL UTILITIES ABOVE OR BELOW GROUND AND NOTIFY ALL UTILITY COMPANIES 2 DAYS PRIOR TO CONSTRUCTION.
9. FOR MAINTENANCE OF TRAFFIC CONTROL THROUGH WORK ZONES, REFER TO FDOT STD. PLANS INDEX 102-612 & 102-613 AS APPLICABLE.
10. ALL DEMOLISHED MATERIALS (i.e. SIGNS, CONCRETE, ASPHALT, ETC.) TO BE REMOVED AND DISPOSED OF IN LEGAL MANNER.
11. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY CRITERIA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
12. ALL REGULATORY TRAFFIC SIGNAGE TO BE INSTALLED PER FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.

WYATT Z. LEWIS LICENSE NO. 94236 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: AS NOTED	PANHANDLE ENGINEERING, INC.
DESIGNED BY: CBF	ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
DRAWN BY: JAH	600 Ohio Avenue Lynn Haven, Florida 32444
REVIEWED BY: CBF	(850)763-5200 www.panhandleengineering.com
ISSUE DATE: JUNE 2023	
FILE NAME: 13066E2.dwg	
SITE AND UTILITY PLAN MARTIN LUTHER KING JR., RECREATION CENTER 701 14TH COURT EAST PANAMA CITY, FL 32401	SHEET NUMBER C-7 PROJECT NUMBER 13066

CCR ARCHITECTURE & INTERIORS

MARTIN LUTHER KING JR., RECREATION CENTER

705 14TH COURT EAST
PANAMA CITY, FL 32401

JOB NUMBER: 13066

DATE: 05/18/2023

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE: SITE & UTILITY PLAN

SHEET NUMBER: C-7