

MARTIN MARIETTA MATERIALS REAL
ESTATE INVESTMENTS, INC
DEED BOOK 6002, PAGE 1024

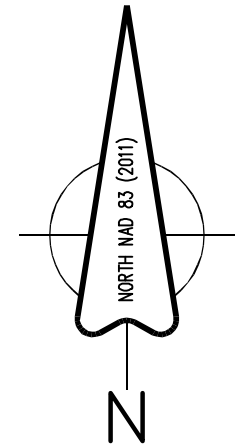
MARTIN MARIETTA MATERIALS REAL
ESTATE INVESTMENTS, INC
DEED BOOK 6002, PAGE 1024

N 06°20'46" E
98.23'

S 83°43'24" E 1,566.85'

EIP
N 194,538.73'
E 2,312,326.74'

N 82°22'39" E 1,485.76' (TIE)



SHEET 2
SHEET 3

RAILROAD TRACKS

SHEET 2
SHEET 3

TOTAL TRACT
65.47 ACRES

S 10°08'36" E 1,611.58'

N 83°43'06" W 1,220.05'

S 10°08'05" E 202.68' (TIE)
EIP

CURVE	CHORD BEARING	CHORD LENGTH	DELTA ANGLE	RADIUS	ARC LENGTH
G1	S 15°02'33" E	473.29	94°7'57"	2776.70	473.87

JOB NO:
19-1089

Sheet No.
1 of 3

Scale
1" = 100'

Designer
N/A

Drawn By
HEH/WRD

Checked By
ACS

Date

Job No.
19-1089

PREPARED FOR:
THE McADAMS COMPANY
2905 MERIDIAN PARKWAY
DURHAM, NC 27713
PH: (910) 361-5000

BOUNDARY AND TOPOGRAPHIC
SURVEY

CAPE FEAR SOCCERPLEX

New Hanover County
North Carolina

ATLANTIC COAST SURVEY, PLLC

P-0822

PO Box 12588
Wilmington, NC 28405
(910) 292-4889
www.atlanticcoastsurvey.com

CERTIFICATE OF ACCURACY & MAPPING

I, THE UNDERSIGNED, CERTIFY THAT THIS SURVEY WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 2950, PAGE 336, ETC.); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION AS FOUND IN BOOK SEE, PAGE MAP; THAT THE RATIO OF PRECISION, AS CALCULATED, IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 15TH DAY OF OCTOBER, A.D. 2019.

HOWARD E. HOADLEY - PROFESSIONAL LAND SURVEYOR (L-3937)



GENERAL NOTES

- THIS IS A BOUNDARY AND TOPOGRAPHIC SURVEY.
- BEARINGS FOR THIS MAP ARE REFERENCED TO N.C. GRID NORTH NAD 83 (2011).
- ELEVATIONS ARE REFERENCED TO NAVD 88.
- ALL DISTANCES ARE HORIZONTAL GRID DISTANCES UNLESS OTHERWISE NOTED.
- UNITS ARE U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
- AREA BY COORDINATE GEOMETRY.
- GRID MONUMENTS FOUND WITHIN 2000' OF SITE (SEE MAP).
- THIS SURVEY PERFORMED AND MAP PREPARED WITHOUT BENEFIT OF A TITLE REPORT. THIS SURVEY SUBJECT TO ANY FACTS AND EASEMENTS WHICH MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
- FLOOD NOTE: AS DETERMINED BY GRAPHIC PLOTTING, THIS PROPERTY DOES NOT APPEAR TO BE LOCATED IN A SPECIAL FLOOD HAZARD ZONE PER FEMA FLOOD INSURANCE RATE MAP #372031900K, EFFECTIVE DATE AUGUST 28TH, 2018.
- UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN (IF ANY) HAVE BEEN LOCATED FROM COUNTY GIS INFORMATION, EXISTING DRAWINGS & FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- COUNTY PARCEL #04000-001-012-000.
- TOTAL SITE AREA: 65.47± ACRES
- MAP & DEED REFERENCES SHOWN PER THE NEW HANOVER COUNTY REGISTRY.

SYMBOL LEGEND:

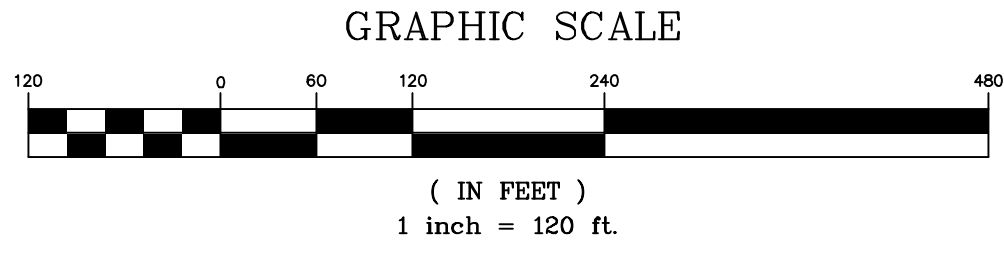
EXISTING IRON PIPE / ROD	SEWER CLEAN-OUT
REBAR SET	UTILITY POLE
EXISTING CONCRETE MONUMENT	GUY WIRE ANCHOR
EXISTING NCOS MONUMENT	ELECTRIC PEDESTAL
WATER METER	LIGHT / LIGHT POLE
WATER VALVE	TELEPHONE PEDESTAL
IRRIGATION CONTROL VALVE	FLAG POLE
SEWER MANHOLE	SIGN
GROUND SHOT ELEVATION	WOOD BOLLARD
VENT	

LINE TYPE LEGEND:

SURVEYED LINES (BOUNDARY)	
LINES PER RECORD DATA	
LINES NOT SURVEYED (ADJOINERS)	
RIGHT-OF-WAY	
BOARD FENCE	
CHAIN LINK FENCE	
STORM PIPE	
OVERHEAD ELECTRIC	
YELLOW PAINT MARK (IRRIGATION)	
PINK PAINT MARK (GAS)	
RED PAINT MARK (ELECTRIC)	
TOP OF SLOPE	
BOTTOM OF SLOPE	
TREE LINE	
MINOR CONTOUR WITH ELEVATION	
MAJOR CONTOUR WITH ELEVATION	
GRAVEL	
CONCRETE	
RIP RAP	
BREAKLINE	

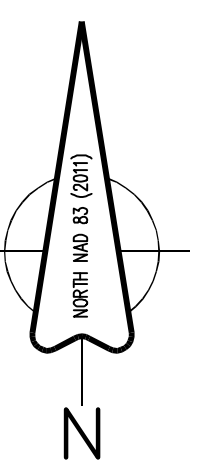
ABBREVIATIONS:

EIP	EXISTING IRON PIPE	MHSD	STORM DRAIN MANHOLE
EIR	EXISTING IRON ROD	N/F	NOW OR FORMERLY
RBS	REBAR SET	MB	MAP BOOK / CABINET
NCOS	NORTH CAROLINA GEODETIC SURVEY	DB	DEED BOOK
INV	INVERT	PG	PAGE
MHSS	SEWER MANHOLE	EL	ELEVATION
ROP	REINFORCED CONCRETE PIPE	DI	DROP INLET



MARTIN MARIETTA MATERIALS REAL ESTATE INVESTMENTS, INC
DEED BOOK 6002, PAGE 1024

CURVE	CHORD BEARING	CHORD LENGTH	DELTA ANGLE	RADIUS	ARC LENGTH
C1	S 15°02'33" E	473.28'	9°47'57"	2770.70'	475.87'



Sheet No.
2 of 3

Scale
1" = 100'

Designer
N/A

Drawn By
HEH/WRD

Date

Checked By
ACS

Job No.
19-1089

PREPARED FOR:
THE McADAMS COMPANY
2905 MERIDIAN PARKWAY
DURHAM, NC 27713
PH: (910) 361-5000

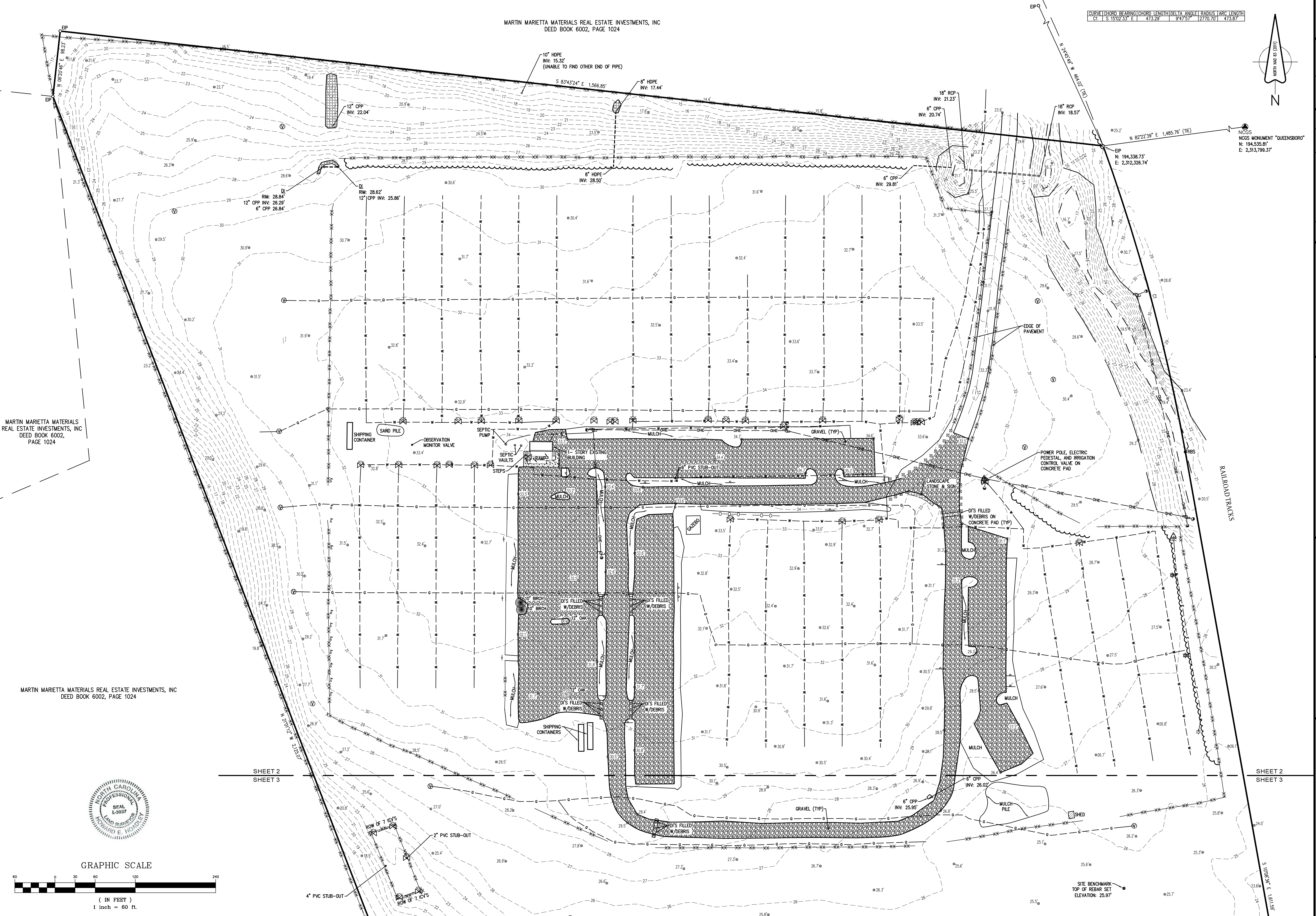
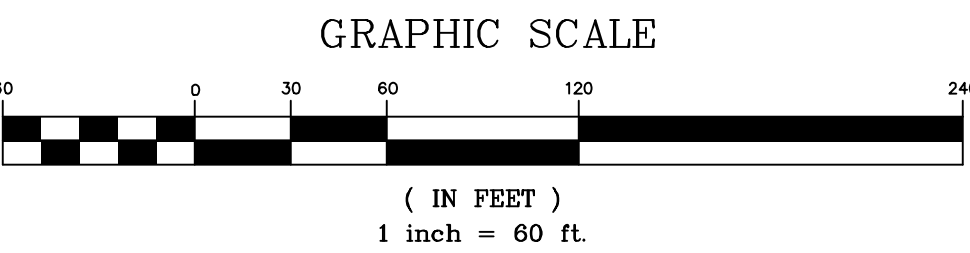
BOUNDARY AND TOPOGRAPHIC
SURVEY

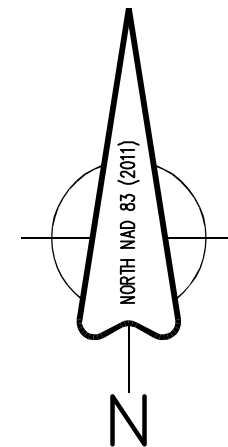
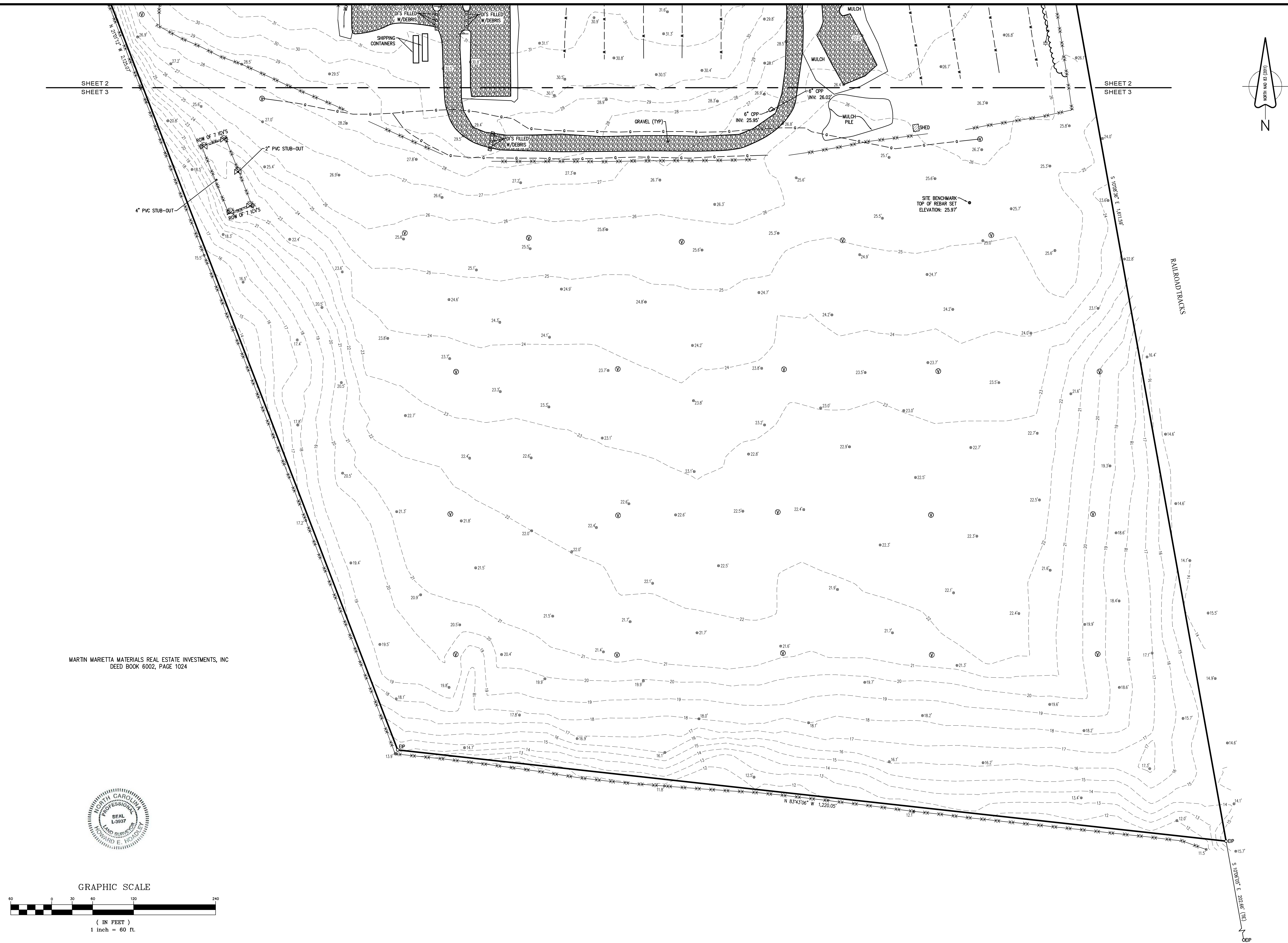
CAPE FEAR SOCCERPLEX

Atlantic Coast Survey, PLLC
P-0822
PO Box 12588 Wilmington, NC 28405
(910) 292-4889 www.atlanticcoastsurvey.com

MARTIN MARIETTA MATERIALS
REAL ESTATE INVESTMENTS, INC
DEED BOOK 6002,
PAGE 1024

MARTIN MARIETTA MATERIALS REAL ESTATE INVESTMENTS, INC
DEED BOOK 6002, PAGE 1024



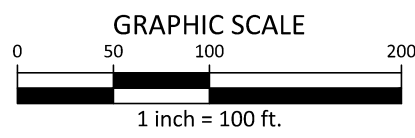
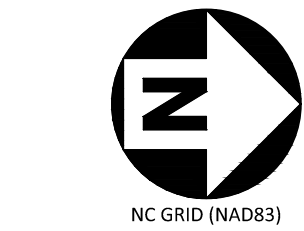
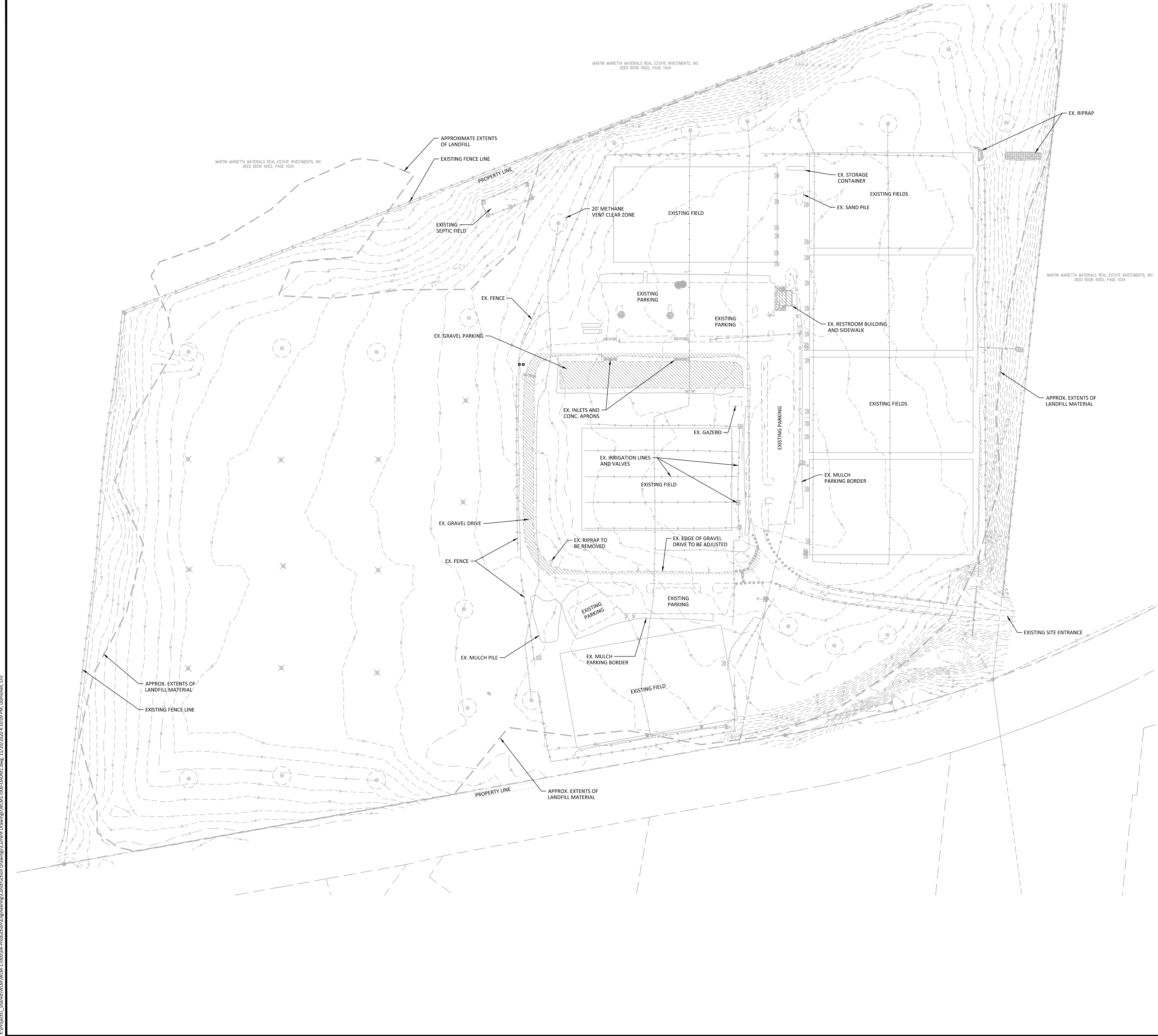


PREPARED FOR:
THE McADAMS COMPANY
2905 MERIDIAN PARKWAY
DURHAM, NC 27713
PH: (910) 361-5000

ATLANTIC COAST SURVEY, PLLC
P-0822
PO Box 12588 Wilmington, NC 28405
(910) 292-4889 www.atlanticcoastsurvey.com

Sheet No. 3 of 3

X:\Project3\Shared\WLM\WLM-17000\04-Production\Engineering\Construction Drawings\WLM17000-04DM1.dwg, 11/20/2020 4:10:09 PM, Domsell, Eric



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

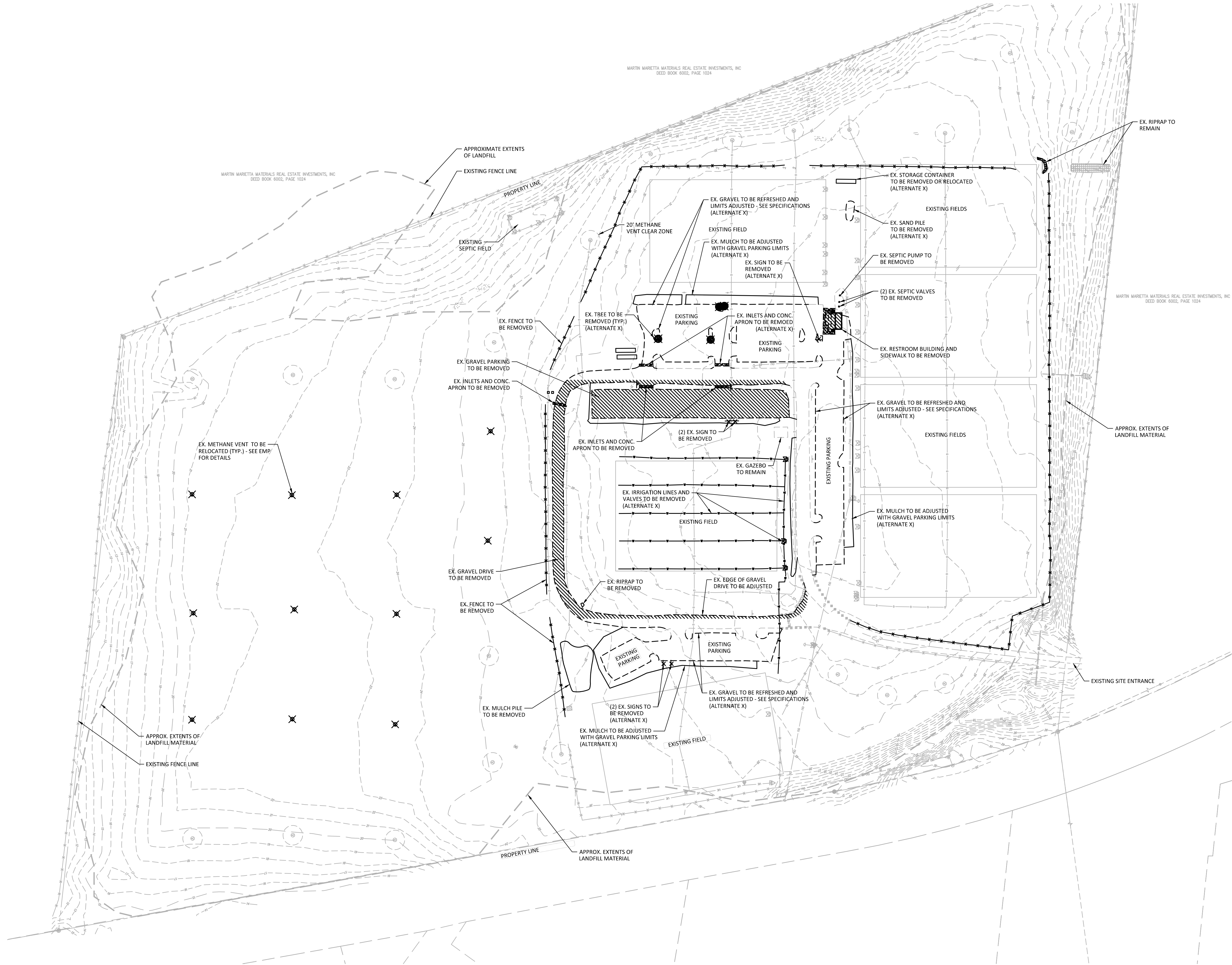
PLAN INFORMATION

PROJECT NO.	WLM-17000
FILENAME	WLM17000-0ADM1
CHECKED BY	-
DRAWN BY	EMD
SCALE	1" = 100'
DATE	11.11.20

SHEET

EXISTING
CONDITIONS
C1.00

X:\Projects\Shared\WLM\WLM-17000\04-Production\Engineering\Construction Drawings\Current Drawings\WLM17000-04DM1.dwg, 11/20/2020 4:10:12 PM, Demosell, Eric

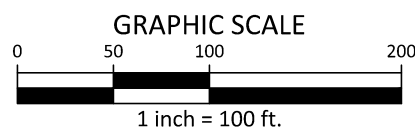


DEMOLITION LEGEND

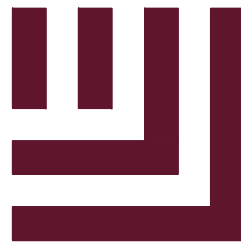
- TREE OR OTHER VEGETATION TO BE REMOVED
- UNDERGROUND UTILITY TO BE REMOVED
- AREA TO BE REMOVED (SIDEWALK, GRAVEL, CONCRETE PAVING, ETC.)
- EXISTING METHANE VENT TO REMAIN WITH 20' CLEAR ZONE
- EXISTING METHANE VENT TO BE RELOCATED - SEE EMP
- EMP - ENVIRONMENTAL MANAGEMENT PLAN

DEMOLITION NOTES

- UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.
- ALL UTILITIES TO BE RELOCATED SHALL BE COORDINATED WITH THE OWNER AND THE DESIGN TEAM. EXISTING BUILDINGS SHALL REMAIN FUNCTIONING AT ALL TIMES. CONTRACTOR SHALL MAKE ALL EFFORTS TO AVOID AND MINIMIZE UTILITY SHUT DOWN DURING CONSTRUCTION. NEW UTILITIES SHALL BE INSTALLED AND TESTED PRIOR TO EXISTING UTILITY SHUT DOWN.
- THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO DEMOLITION.
- THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND SPECIFICATIONS AND AS DIRECTED BY THE OWNER.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS AND PAY FEES REQUIRED FOR DEMOLITION AND HAUL-OFF FROM THE APPROPRIATE AUTHORITIES. THESE FEES ARE TO BE INCLUDED WITH THE BID. THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AND ACQUIRE APPROPRIATE PERMITS AS REQUIRED PRIOR TO THE COMMENCEMENT OF DEMOLITION.
- THE DEMOLITION PLAN IS INTENDED TO DEPICT GENERAL DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY PRIOR TO WORK.
- CONTRACTOR SHALL COMPLETELY DEMOLISH ALL EXISTING IMPROVEMENTS NOTED FOR REMOVAL ON THE APPROVED DEMOLITION PLAN. THIS INCLUDES, AS NECESSARY, FOUNDATIONS AND OTHER APPURTENANCES LOCATED ON AND AROUND THE IMPROVEMENTS SUCH AS SIGNS, CURBS, PAVEMENT, SIDEWALKS, LIGHT POLE BASES, HYDRANTS, BOLLARDS, ETC. ALL REMOVED MATERIAL SHALL BE DISPOSED OF OFFSITE IN A LAWFUL MANNER OR RECYCLED. IF POSSIBLE, CONTRACTOR SHALL MAKE EVERY ATTEMPT TO RECYCLE ANY DEBRIS AND RUBBISH THAT IS RECYCLABLE.
- REMOVE AND/OR PLUG EXISTING UTILITIES AS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY TO COORDINATE REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PRIOR TO BEGINNING DEMOLITION WORK. CONTRACTOR SHALL TAKE EXTRA PRECAUTIONS AND CARE TO PRESERVE TREES DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

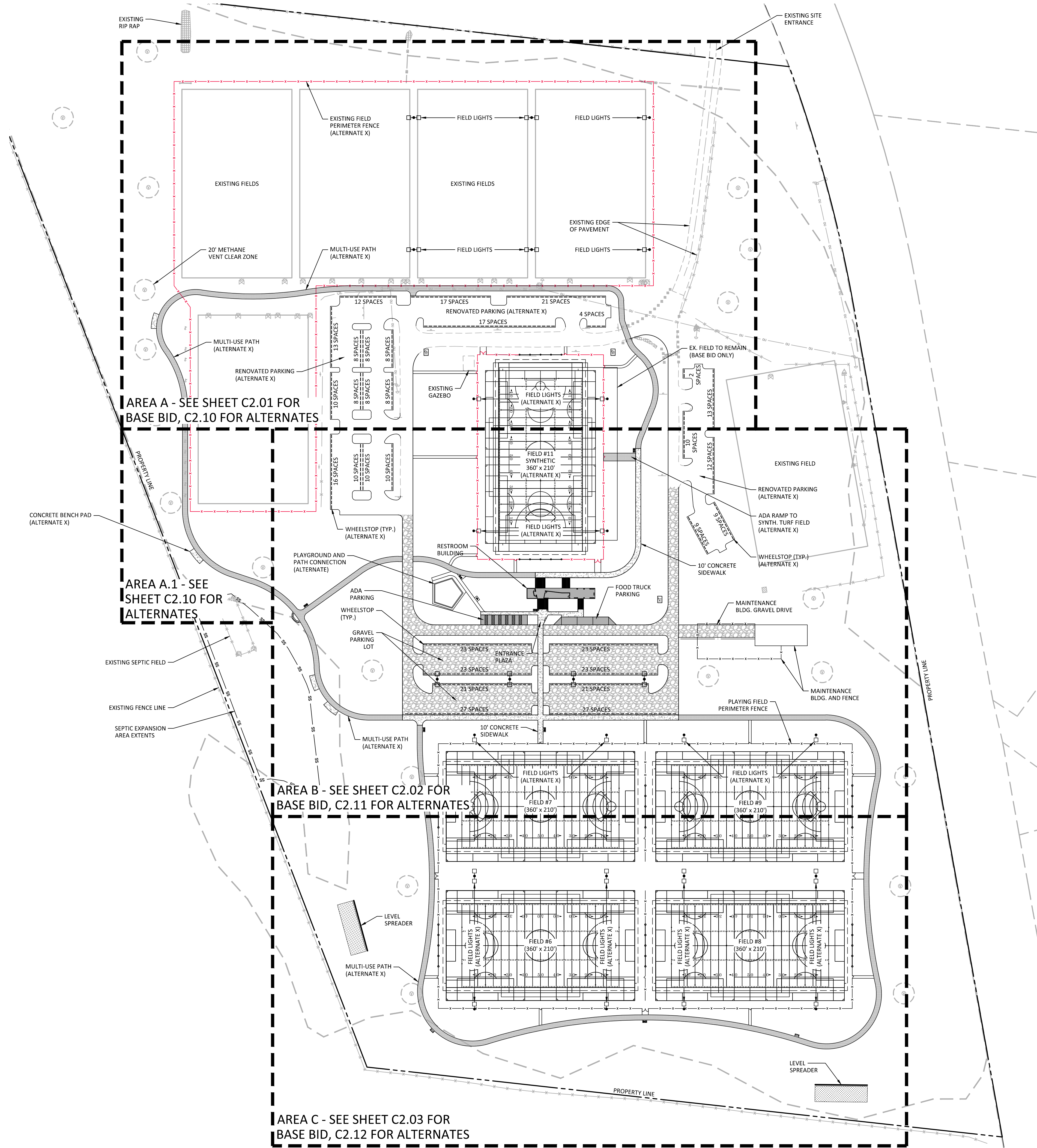
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-0ADM1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 100'
DATE 11.11.20

SHEET

OVERALL
DEMOLITION PLAN
C1.01

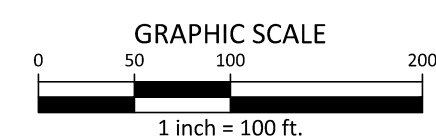
X:\Projects\Shared\WLM\17000\04-Production\Engineering\Construction Drawings\WLM17000-OAS1.dwg, 11/20/2020 3:44:09 PM, Donnell, Eric



SITE LEGEND	
	SIGNAGE
	YARD LIGHTS
	LIGHT POLE
	POWER POLE
	TRAFFIC DIRECTIONAL ARROW
	ACCESSIBLE PARKING STALL
	VAN ACCESSIBLE PARKING STALL
	PROPERTY LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE
	CENTERLINE
	EXISTING CHAINLINK FENCE
	PROPOSED FENCE
	ACCESSIBLE ROUTE
	PROPOSED GRAVEL DRIVE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
	PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)
	METHANE VENT AND 20' CLEAR ZONE
NIC = NOT IN CONTRACT	

GENERAL SITE NOTES - APPLIES TO SHEETS C2.00, C2.01, C2.02, C2.10, C2.11 AND C2.12

1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.
9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830

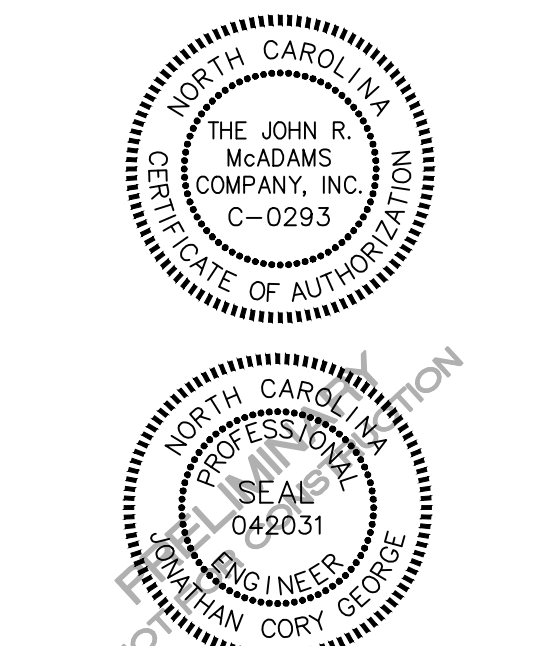


REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD

WILMINGTON, NC 28401



REVISIONS

NO.	DATE
-----	------

PLAN INFORMATION

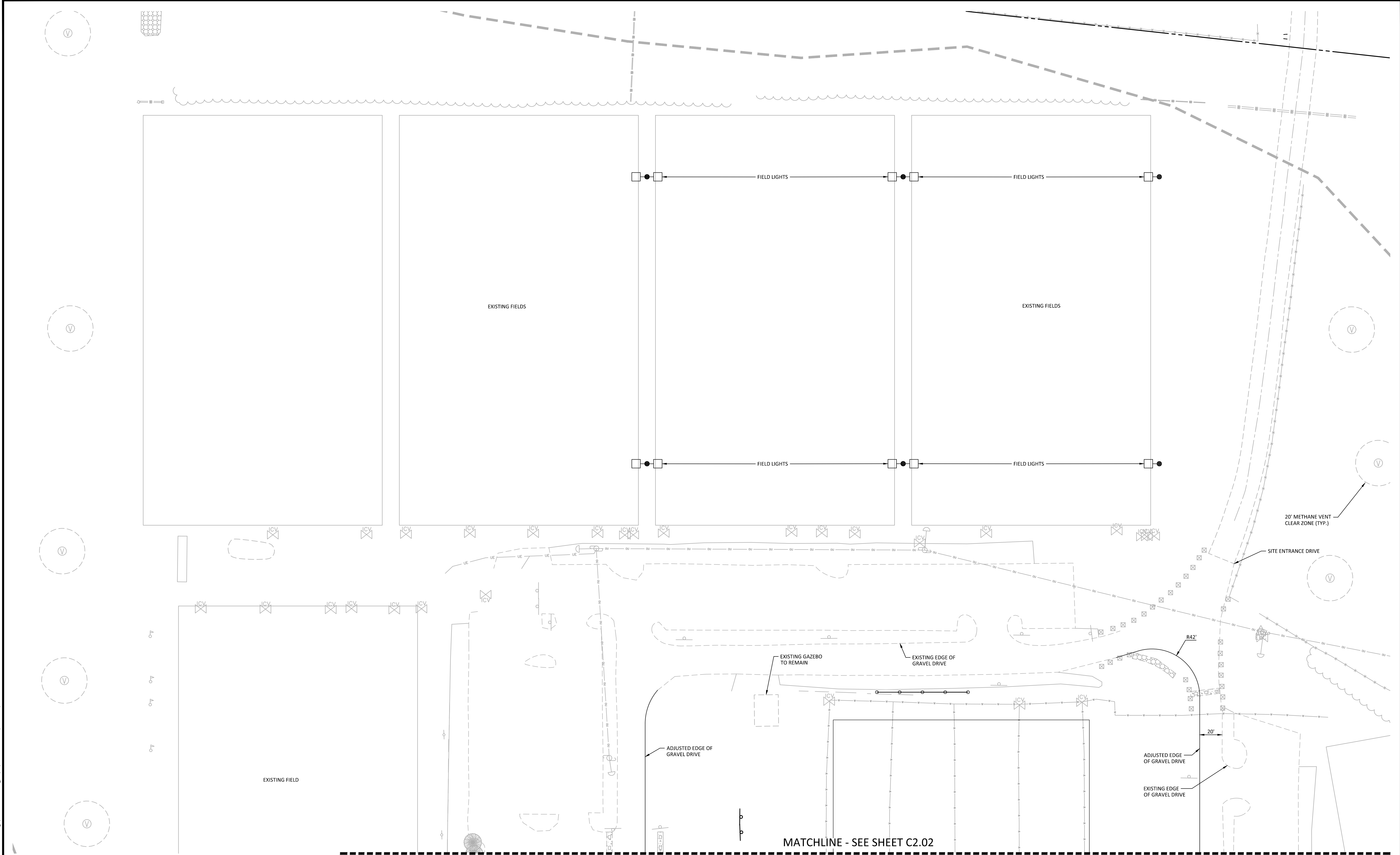
PROJECT NO.	WLM-17000
FILENAME	WLM17000-OAS1
CHECKED BY	-
DRAWN BY	EMD
SCALE	1" = 100'
DATE	11.11.20

SHEET

OVERALL SITE PLAN

C2.00

X:\Projects\Shared\WLM-17000\04-Production\Engineering\Construction Drawings\Current Drawings\WLM17000-S1.dwg, 11/20/2020 3:44:15 PM, Domenell, Etc

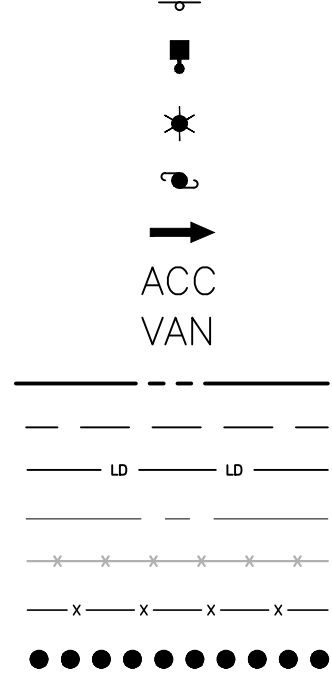


GENERAL SITE NOTES

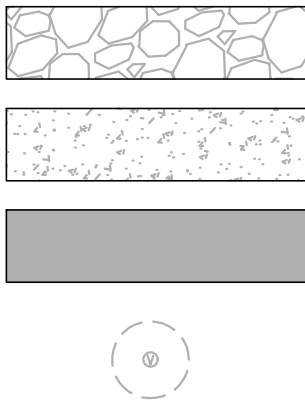
1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARDCOPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



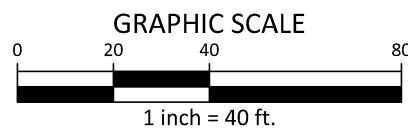
SIGNAGE
YARD LIGHTS
LIGHT POLE
POWER POLE
TRAFFIC DIRECTIONAL ARROW
ACCESSIBLE PARKING STALL
VAN ACCESSIBLE PARKING STALL
PROPERTY LINE
EASEMENT LINE
LIMITS OF DISTURBANCE
CENTERLINE
EXISTING CHAINLINK FENCE
PROPOSED FENCE
ACCESSIBLE ROUTE



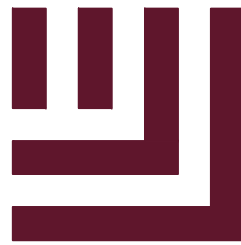
PROPOSED GRAVEL DRIVE
PROPOSED CONCRETE SIDEWALK
PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
METHANE VENT AND 20' CLEAR ZONE
NIC = NOT IN CONTRACT

DETAIL KEY SCHEDULE

00	DETAIL TBD
X0.00	
00	DETAIL TBD
X0.00	



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830

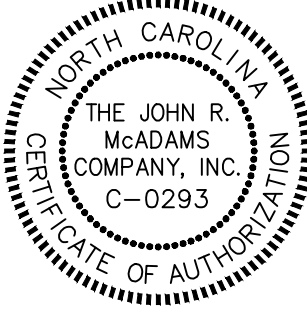


REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD

WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA A
BASE BID

C2.01



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830

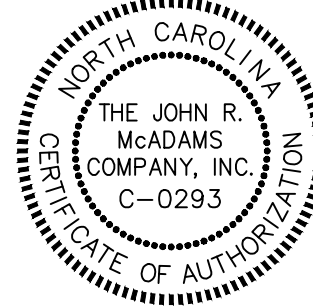


REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD

WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA B
BASE BID

C2.02

MATCHLINE - SEE SHEET C2.01

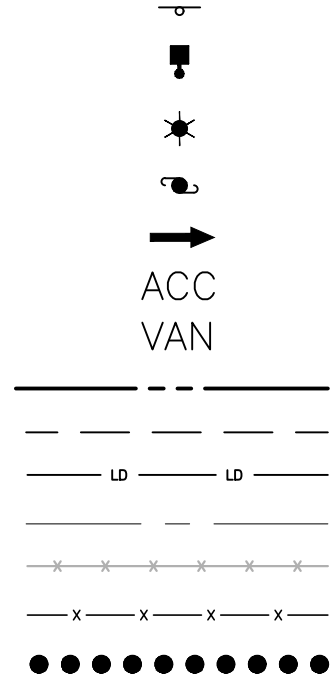
MATCHLINE - SEE SHEET C2.03

GENERAL SITE NOTES

- THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
- THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
- SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
- CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

- CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
- ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
- CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
- TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
- SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
- CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
- CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
- DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
- CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



SIGNAGE
YARD LIGHTS
LIGHT POLE
POWER POLE
TRAFFIC DIRECTIONAL ARROW
ACCESSIBLE PARKING STALL
VAN ACCESSIBLE PARKING STALL
PROPERTY LINE
EASEMENT LINE
LIMITS OF DISTURBANCE
CENTERLINE
EXISTING CHAINLINK FENCE
PROPOSED FENCE
ACCESSIBLE ROUTE



PROPOSED GRAVEL DRIVE



PROPOSED CONCRETE SIDEWALK



PROPOSED HEAVY-DUTY CONCRETE PAVEMENT

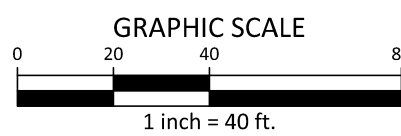


METHANE VENT AND 20' CLEAR ZONE

NIC = NOT IN CONTRACT

DETAIL KEY SCHEDULE

00	DETAIL TBD
X0.00	
00	DETAIL TBD
X0.00	



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

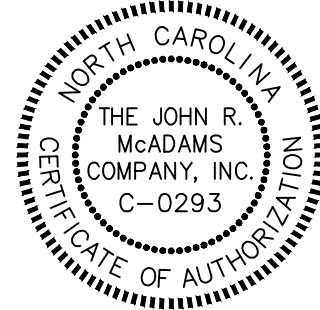
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

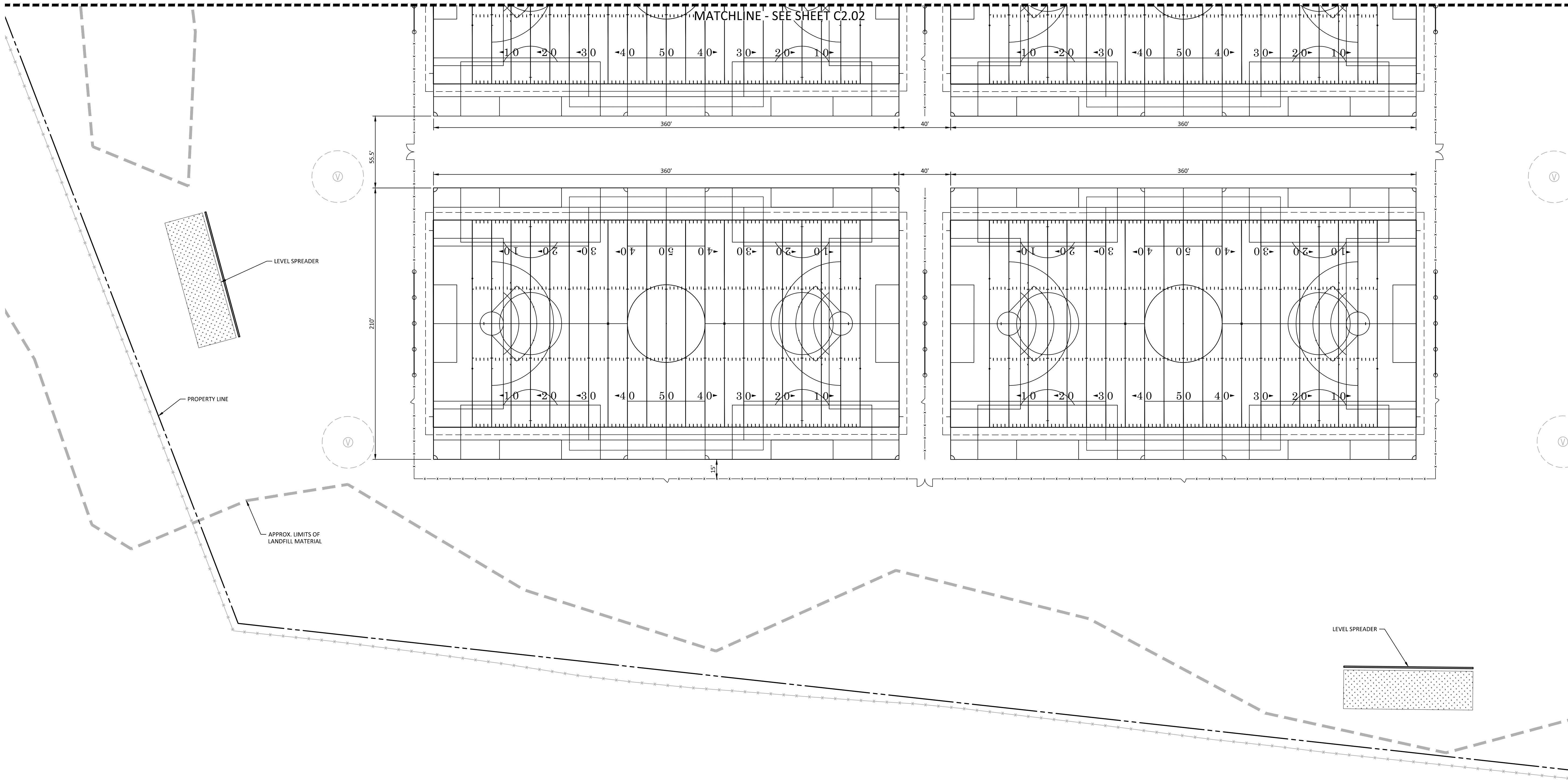
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA C
BASE BID

C2.03

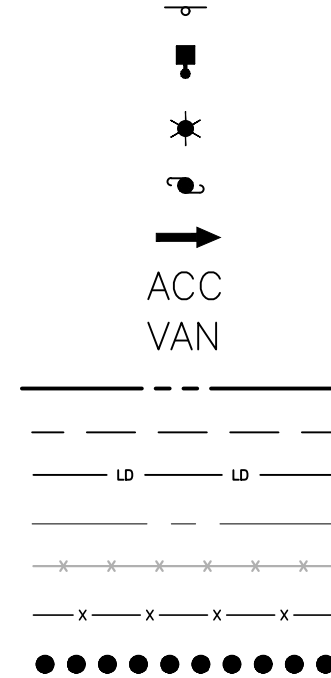


GENERAL SITE NOTES

1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARDCOPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



SIGNAGE

YARD LIGHTS

LIGHT POLE

POWER POLE

TRAFFIC DIRECTIONAL ARROW

ACCESSIBLE PARKING STALL

VAN ACCESSIBLE PARKING STALL

PROPERTY LINE

EASEMENT LINE

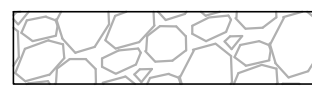
LIMITS OF DISTURBANCE

CENTERLINE

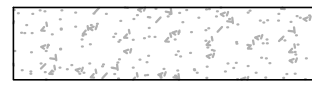
EXISTING CHAINLINK FENCE

PROPOSED FENCE

ACCESSIBLE ROUTE



PROPOSED GRAVEL DRIVE



PROPOSED CONCRETE SIDEWALK



PROPOSED HEAVY-DUTY CONCRETE PAVEMENT

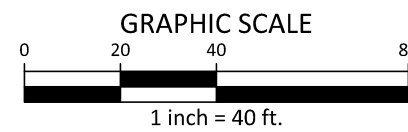


METHANE VENT AND 20' CLEAR ZONE

NIC = NOT IN CONTRACT

DETAIL KEY SCHEDULE

00	DETAIL TBD
X0.00	
00	DETAIL TBD
X0.00	



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

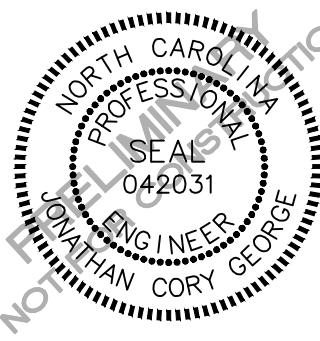
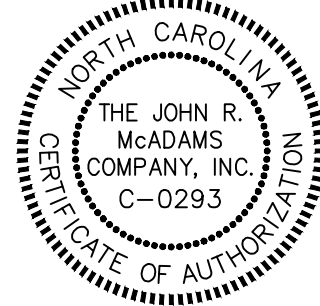
CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

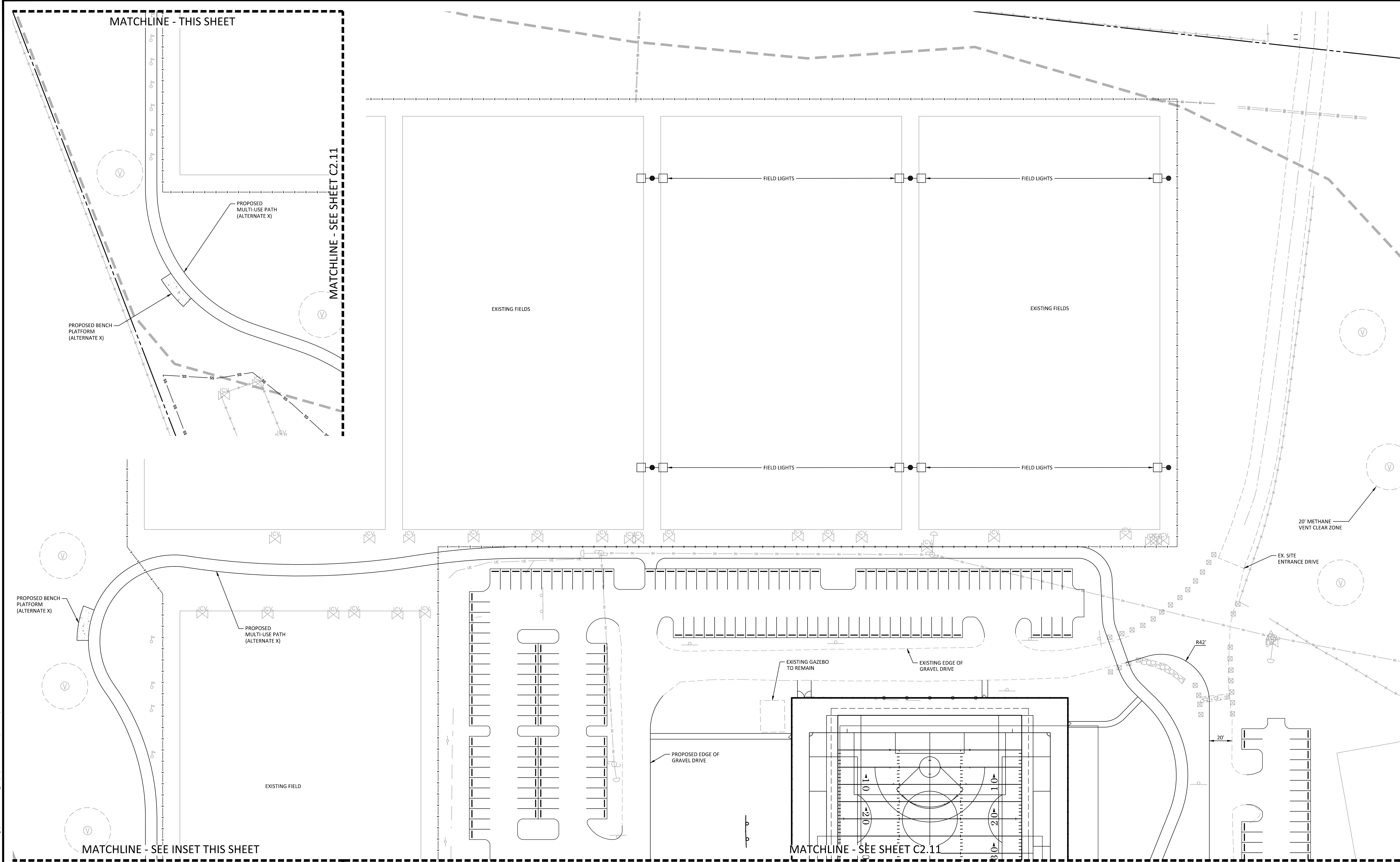
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA A
ALTERNATE

C2.10

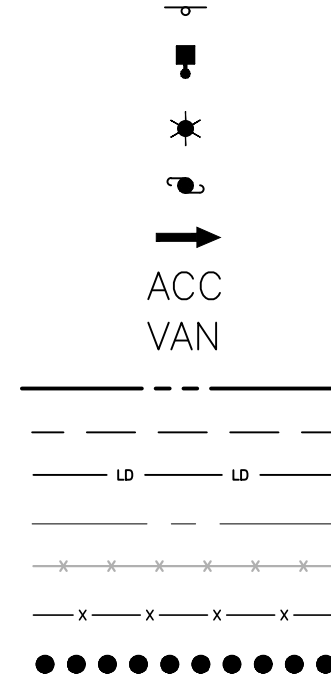


GENERAL SITE NOTES

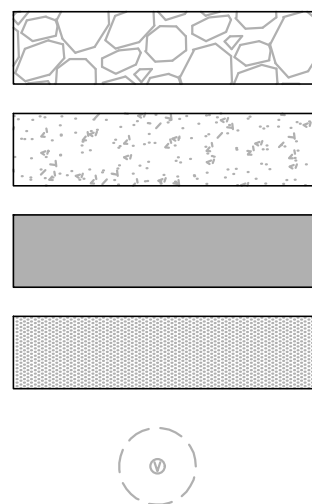
1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARDCOPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



SIGNAGE
YARD LIGHTS
LIGHT POLE
POWER POLE
TRAFFIC DIRECTIONAL ARROW
ACC VAN
PROPERTY LINE
EASEMENT LINE
LIMITS OF DISTURBANCE
CENTERLINE
EXISTING CHAINLINK FENCE
PROPOSED FENCE
ACCESSIBLE ROUTE



PROPOSED GRAVEL DRIVE
PROPOSED CONCRETE SIDEWALK
PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)
METHANE VENT AND 20' CLEAR ZONE
NIC = NOT IN CONTRACT

DETAIL KEY SCHEDULE

00 DETAIL TBD
X0.00
00 DETAIL TBD
X0.00



GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

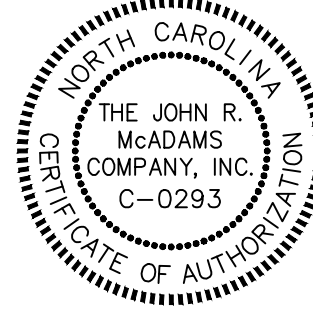
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX 60% CONSTRUCTION DRAWINGS 205 SUTTON STEAM PLANT ROAD WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA B
ALTERNATE

C2.11

MATCHLINE - SEE SHEET C2.11

MATCHLINE - SEE SHEET C2.10

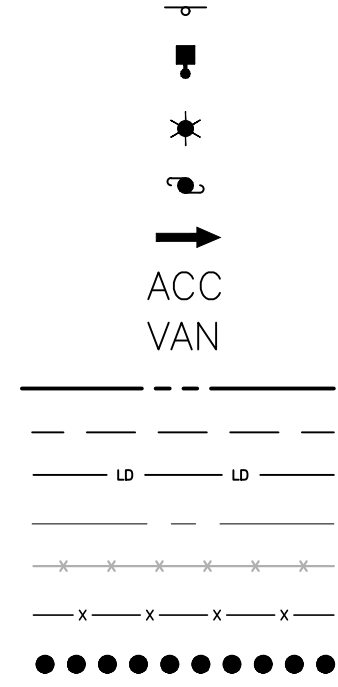
MATCHLINE - SEE SHEET C2.12

GENERAL SITE NOTES

- THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
- THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
- SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
- CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

- CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
- ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
- CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
- TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
- SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
- CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
- CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
- DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
- CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



SIGNAGE

YARD LIGHTS

LIGHT POLE

POWER POLE

TRAFFIC DIRECTIONAL ARROW

ACCESSIBLE PARKING STALL

VAN ACCESSIBLE PARKING STALL

PROPERTY LINE

EASEMENT LINE

LIMITS OF DISTURBANCE

CENTERLINE

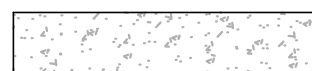
EXISTING CHAINLINK FENCE

PROPOSED FENCE

ACCESSIBLE ROUTE



PROPOSED GRAVEL DRIVE



PROPOSED CONCRETE SIDEWALK



PROPOSED HEAVY-DUTY CONCRETE PAVEMENT



PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)



METHANE VENT AND 20' CLEAR ZONE

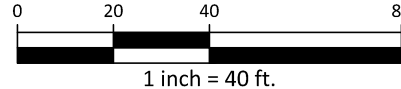
NIC = NOT IN CONTRACT

DETAIL KEY SCHEDULE

00	DETAIL TBD
X0.00	
00	DETAIL TBD
X0.00	



GRAPHIC SCALE



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

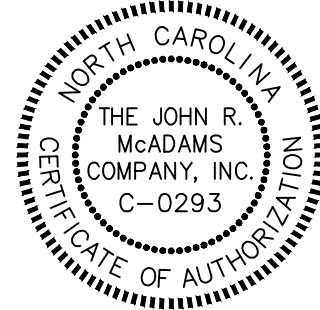
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-S1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

SITE PLAN - AREA C
ALTERNATE

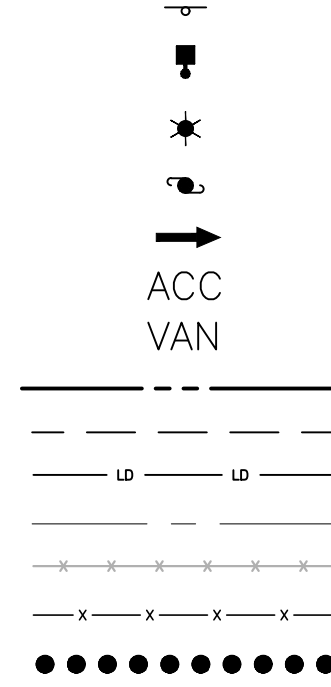
C2.12

GENERAL SITE NOTES

1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE BRICK PAVERS OR CONCRETE.

9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS, OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE MAY BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.

SITE LEGEND



SIGNAGE

YARD LIGHTS

LIGHT POLE

POWER POLE

TRAFFIC DIRECTIONAL ARROW

ACCESSIBLE PARKING STALL

VAN ACCESSIBLE PARKING STALL

PROPERTY LINE

EASEMENT LINE

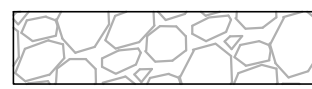
LIMITS OF DISTURBANCE

CENTERLINE

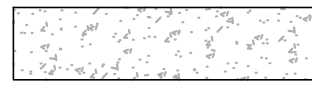
EXISTING CHAINLINK FENCE

PROPOSED FENCE

ACCESSIBLE ROUTE



PROPOSED GRAVEL DRIVE



PROPOSED CONCRETE SIDEWALK



PROPOSED HEAVY-DUTY CONCRETE PAVEMENT



PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)



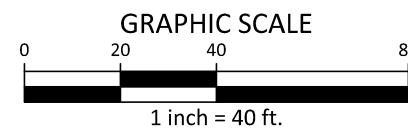
METHANE VENT AND 20' CLEAR ZONE



NIC = NOT IN CONTRACT

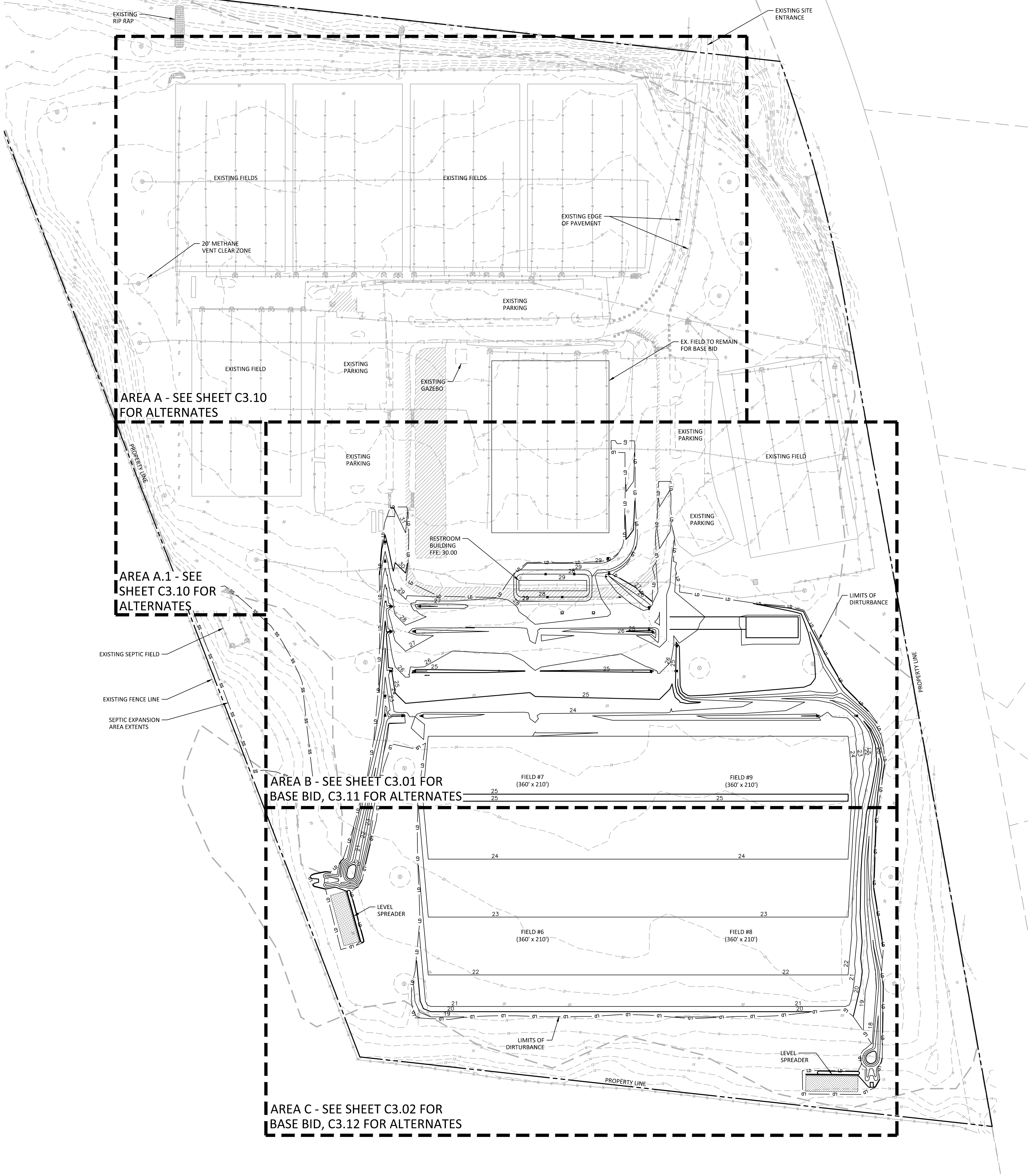
DETAIL KEY SCHEDULE

00	DETAIL TBD
X0.00	
00	DETAIL TBD
X0.00	



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Project3\Shared\WLM\17000\04-Production\Engineering\Construction Drawings\WLM17000-OAG1.dwg, 11/20/2020 3:42:18 PM, Donnell, Eric



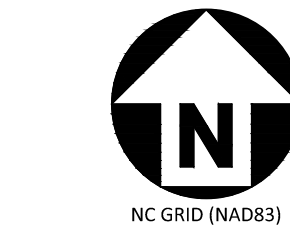
GRADING LEGEND	
	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	JUNCTION BOX
	DRAINAGE FLOW ARROW
	LINE BREAK SYMBOL
	TOP & BOTTOM CURB ELEVATIONS
	TOP OF WALL ELEVATION
	BOTTOM OF WALL ELEVATION
(NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)	
	SPOT ELEVATION
	STORM DRAINAGE
	STORM SERVICE LINE
	LD
	250
	252
	250
	252
	FIELD RUNOFF
	DITCH CENTERLINE

GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY, AS DEEMED NECESSARY. THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND QUALITY AT (910) 796-7215 PRIOR TO START OF CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-308 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.





McADAMS
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830

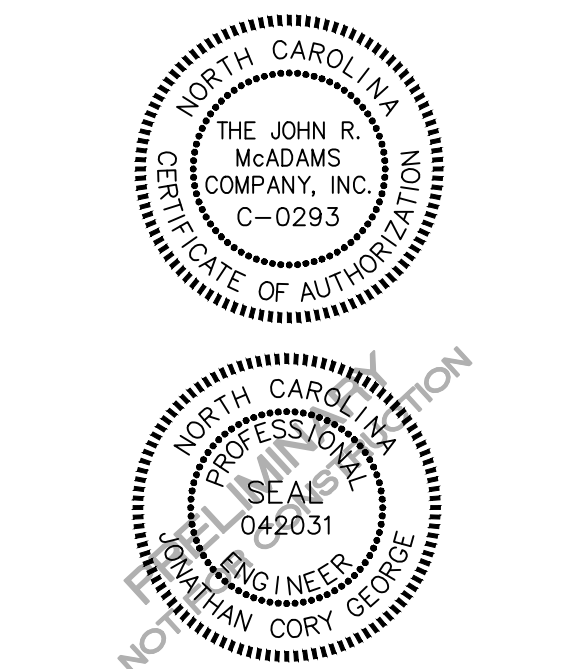


CITY OF WILMINGTON
NORTH CAROLINA

REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

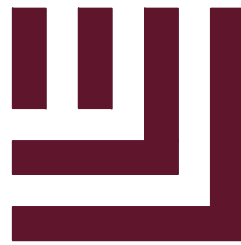
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-OAG1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 100'
DATE 11.11.20

SHEET

OVERALL GRADING PLAN

C3.00



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

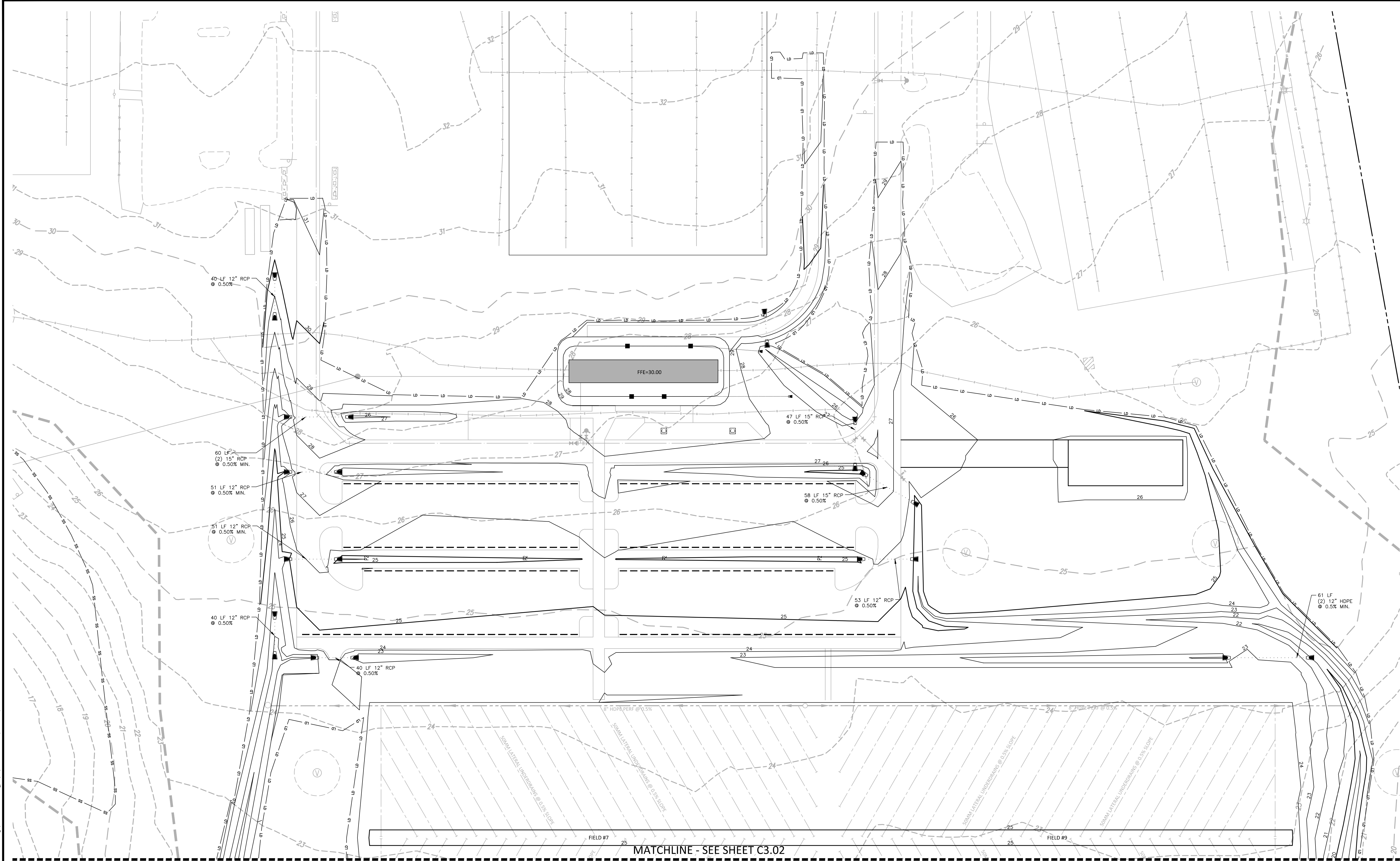
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-G1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

GRADING PLAN - AREA B
BASE BID

C3.01



GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND QUALITY AT (910) 796-7215 PRIOR TO START OF CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

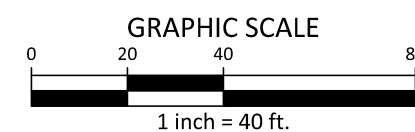
- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.

- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

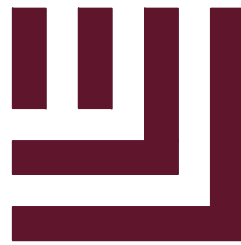
GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION

- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

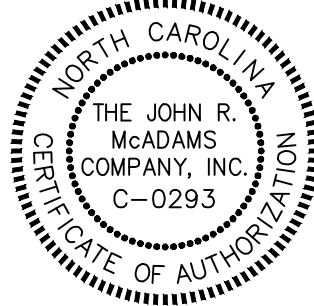
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

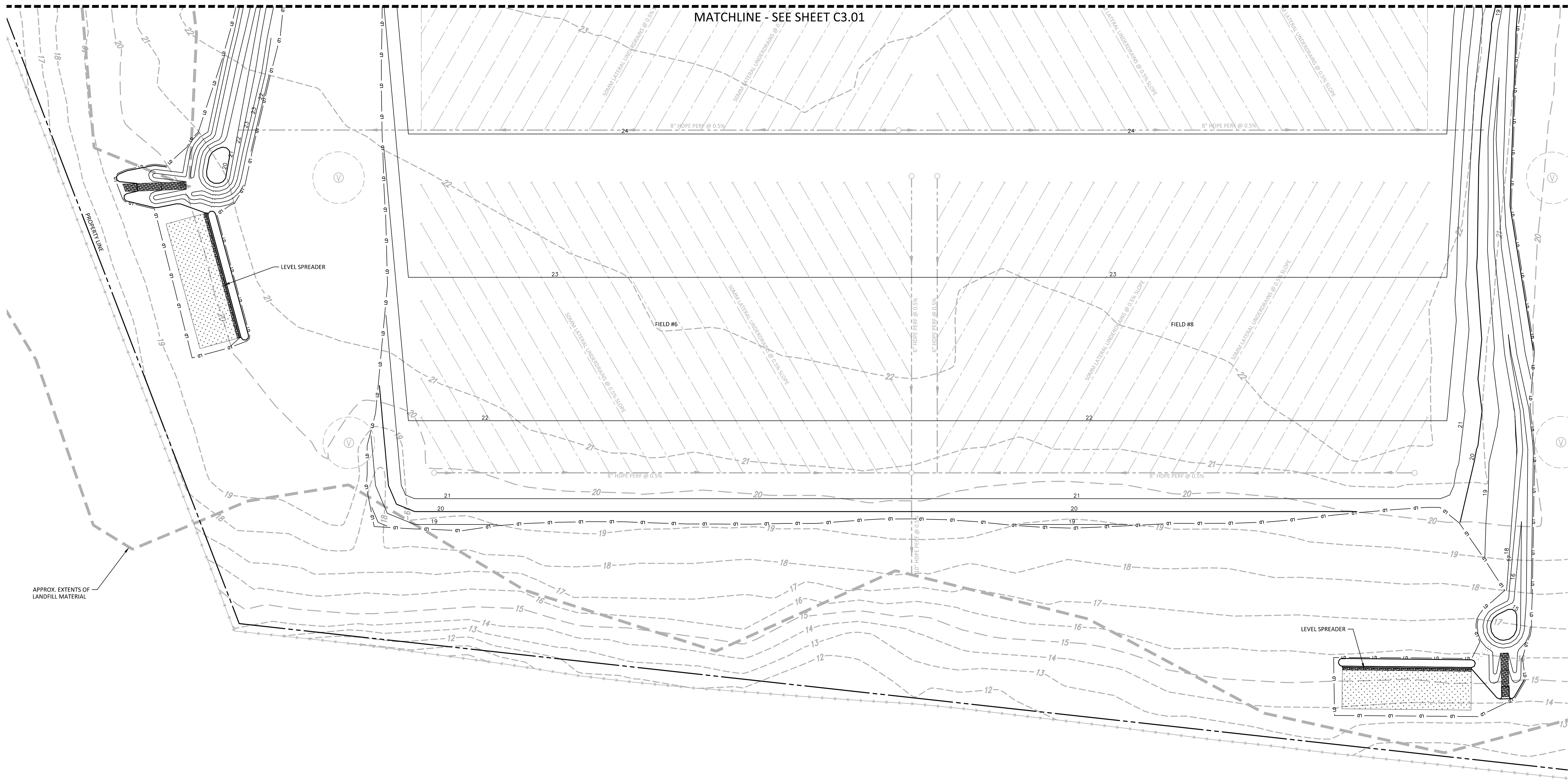
PROJECT NO. WLM-17000
FILENAME WLM17000-G1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

GRADING PLAN - AREA C
BASE BID

C3.02

MATCHLINE - SEE SHEET C3.01



GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

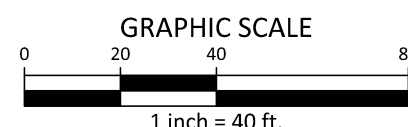
- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.

- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION

- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS
- NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

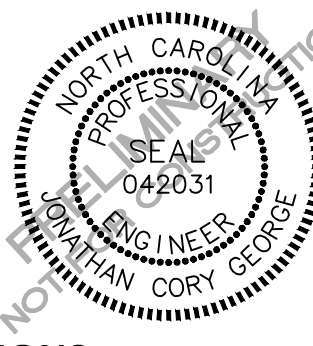
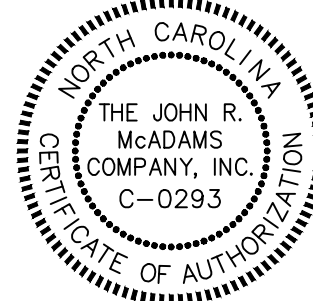
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

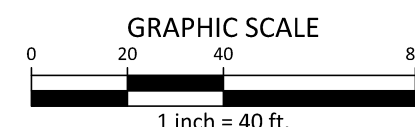
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-G1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

GRADING PLAN - AREA A
ALTERNATE

C3.10



GRADING NOTES

1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

4. A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND QUALITY AT (910) 796-7215 PRIOR TO START OF CONSTRUCTION.
5. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
6. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
4. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
5. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.

6. MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.

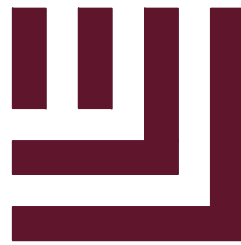
7. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
8. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
9. IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION

- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS
- NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN.
- COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-G1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

GRADING PLAN - AREA B
ALTERNATE

C3.11

MATCHLINE - SEE SHEET C3.10

MATCHLINE - SEE SHEET C3.12

GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND QUALITY AT (910) 796-7215 PRIOR TO START OF CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.

- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.

- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION

- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS
- NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

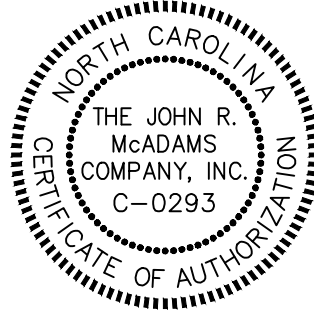
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

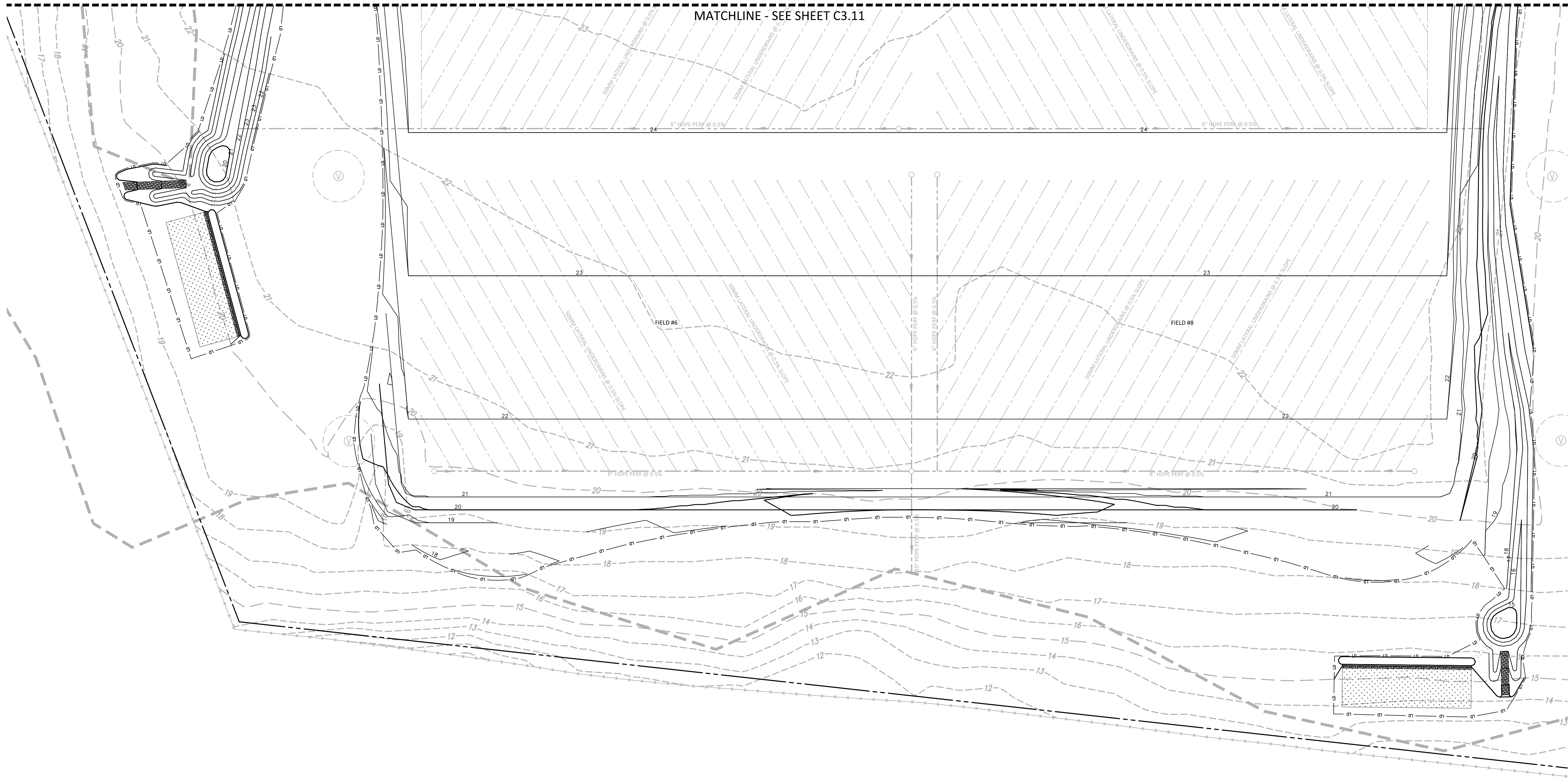
PROJECT NO. WLM-17000
FILENAME WLM17000-G1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 40'
DATE 11.11.20

SHEET

GRADING PLAN - AREA C
ALTERNATE

C3.12

MATCHLINE - SEE SHEET C3.11



GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER, CONTRACTOR, AND REPRESENTATIVES FROM NCDEQ WILL BE INVITED TO ATTEND THE MEETING. FOR NCDEQ REPRESENTATIVES, CONTACT DIVISION OF LAND CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

STORM DRAINAGE NOTES:

- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF WILMINGTON STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.

- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

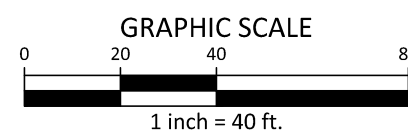
GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION

- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS
- NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN.
- COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE IN ALL DIRECTIONS)



NC GRID (NAD83)



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

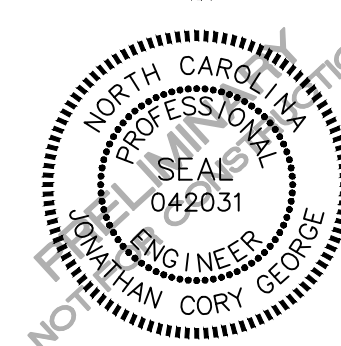


phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REVISIONS

NO.	DATE
-----	------

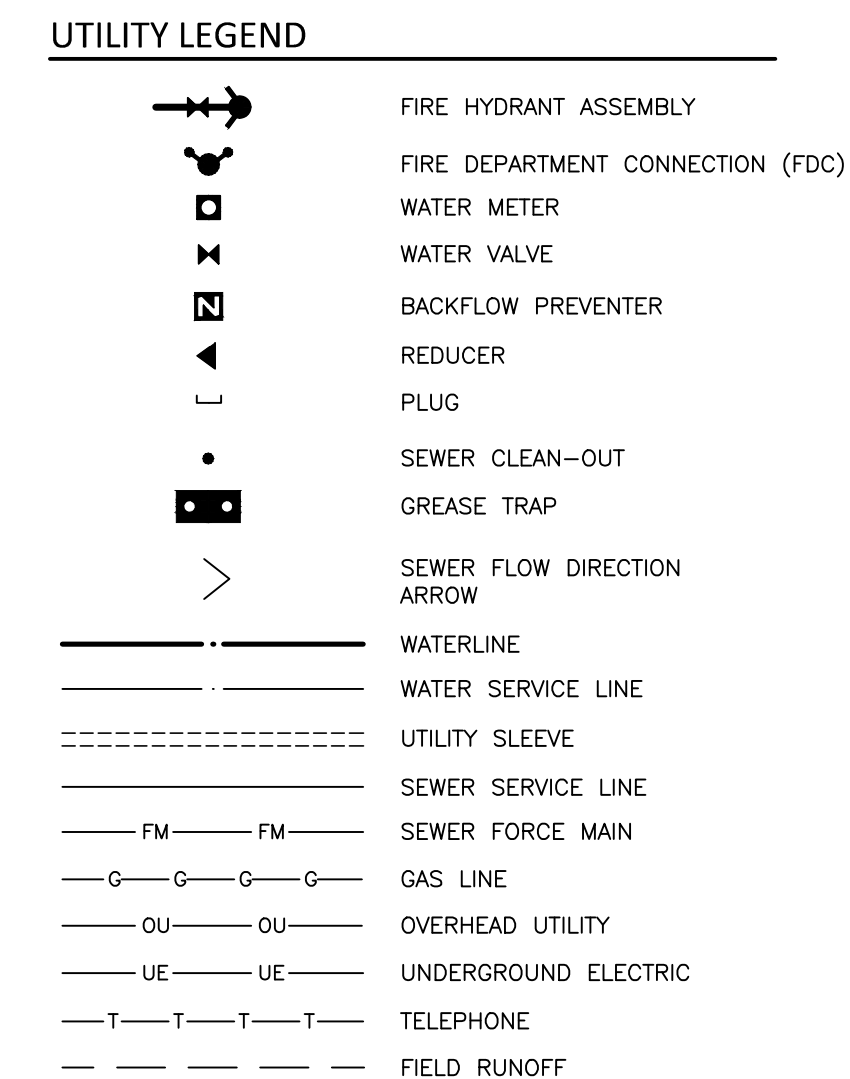
PLAN INFORMATION

PROJECT NO.	WLM-17000
FILENAME	WLM17000-OAU
CHECKED BY	-
DRAWN BY	EMD
SCALE	1" = 100'
DATE	11.11.20

SHEET

**OVERALL UTILITY
PLAN - BASE BID**

C4.00



GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO GAS OR WATER PIPES, PUBLIC OR PRIVATE SEWERS, DRAINS OR CULVERTS, RAILROAD OR TRAFFIC SIGNAL CABLES, TELEPHONE OR POWER CONDUITS, OR OTHER STRUCTURES. PRIOR TO ANY LINE CUTTING OR EXCAVATION, THE CONTRACTOR SHALL MEET WITH THE AREA OF OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE WITH AMPLE TIME FOR THE NECESSARY MEASURES TO BE TAKEN TO AVOID ANY UNNECESSARY INTERRUPTION OF THE SERVICE. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF SUCH UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF EXISTING UTILITIES BY OPERATION BY OBSERVATIONS, ELECTRONIC DEVICES, AND BY PERSONAL CONTACTS WITH UTILITY COMPANIES, AND LOCATE SUCH UTILITIES IN ADVANCE OF ANY EXCAVATING OR BRACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO THE EXISTING STRUCTURES OR UTILITIES.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCT WITH ALL CURRENT LOCAL, STATE, AND OSHA SAFETY CODES DURING ALL PHASES OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE COSTS ASSOCIATED WITH THE PROVISION OF SAFETY EQUIPMENT, AND PERSONNEL NECESSARY TO COMPLETE THE WORK, INCLUDING, BUT NOT LIMITED TO, THE BRACING AND SHORING PERSONNEL LICENSED BY OSHA AS COMPETENT FOR EVALUATING SOIL STABILITY.
3. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING OR BETTER CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING B" WATER LINE PRIOR TO THE IN AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

UTILITY NOTES:

1. ALL SITE WATER & SEWER IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA). CONTRACTOR SHALL COORDINATE WITH CFPUA PERSONNEL ON THE TIMING FOR TIE-IN TO EXISTING WATER LINE.
2. WATER LINE SHALL HAVE A MINIMUM COVER OF 36" FROM FINISHED GROUND.
3. THE LOCATIONS INDICATED FOR WATER AND SEWER TO ENTER THE BUILDINGS ARE APPROXIMATE. THE CONTRACTOR SHALL REFER TO PLUMBING PLANS FOR THE EXACT LOCATION OF TIE-IN OR EXTENSIONS INTO THE BUILDINGS AND PROVIDE ADAPTERS AS NECESSARY.
4. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, BOTH HORIZONTALLY AND VERTICALLY, OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO WATER AND SEWER LINE INSTALLATION. ANY CONFLICTS OR DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION TO THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL REPAIR ANY UTILITY OR STRUCTURE DAMAGED DUE TO CONSTRUCTION AT NO EXPENSE TO THE OWNER. ANY REPAIRS SHALL BE COORDINATED WITH THE UTILITY OWNER AND ENGINEER.
6. USE NEW BACKFLOW DEVICES SHALL BE IN ACCORDANCE WITH CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS. HOT BOX SIZE SHALL BE BASED ON RPDA SELECTED.
7. CLEANOUTS LOCATED IN PAVEMENT OR OTHER TRAFFIC AREAS TO BE LOAD BEARING.
8. ALL UNDERGROUND LINES OUTSIDE THE BUILDING FOOTPRINT, EXCEPT LAWN IRRIGATION LINES, SHALL HAVE A WARNING TAPE INSTALLED IN THE BACKFILL BETWEEN 6 INCHES TO 24 INCHES BELOW FINISHED GRADE DIRECTLY OVER PIPING.
- 9.1. METALLIC LINES SHALL BE IDENTIFIED WITH DURABLE PRINTED PLASTIC WARNING TAPES, MINIMUM 3 INCHES WIDE WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- 9.2. NON-METALLIC PIPES, OTHER THAN GAS LINES, SHALL BE IDENTIFIED BY DETECTABLE WARNING TAPE, MINIMUM 2 INCHES WIDE, WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- 9.3. 2012 NC FUEL GAS CODE, SECTION 404.15.3.3 CONTRACTOR SHALL INSTALL COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT THE END OF THE NONMETALLIC PIPING. THE TRACER WIRE SIZE SHALL NOT BE LESS THAN 18-AWG AND THE INSULATION TYPE SUITABLE FOR DIRECT BURIAL.



NC GRID (NAD83)

GRAPHIC SCALE

0 50 100 200

1 inch = 100 ft

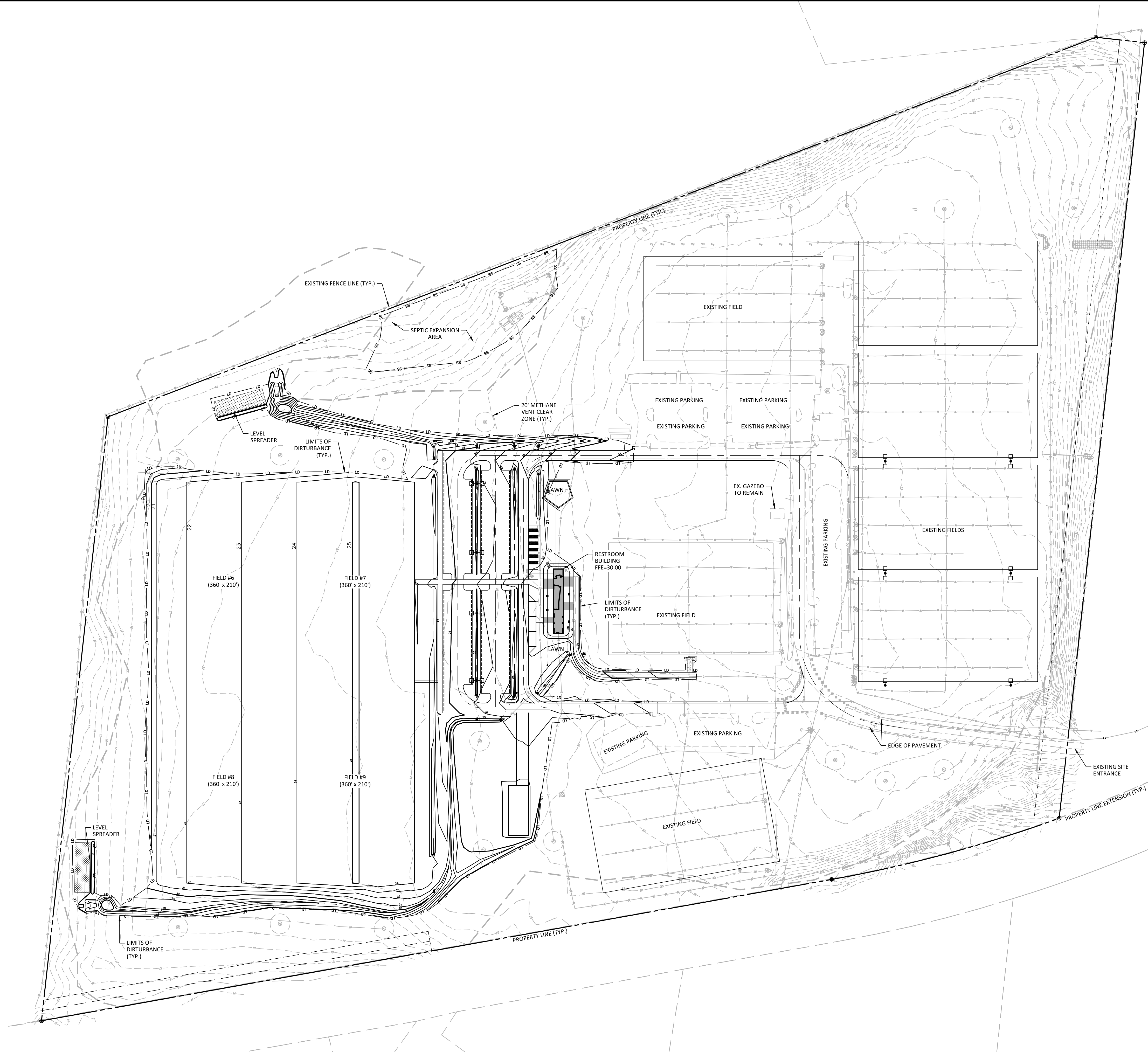
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Project\17000\17000-04-Production\Engineering\Construction Drawings\WLM17000-EC1.dwg, 11/20/2020 4:17:47 PM, Domsell, Eric

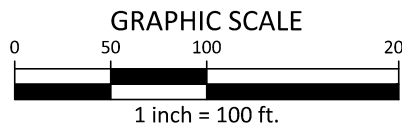


Know what's below.
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT
AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



NC GRID (NAD83)



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

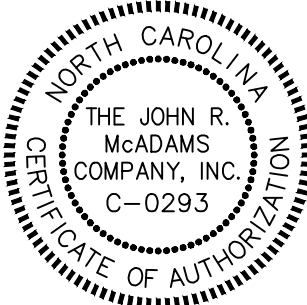
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

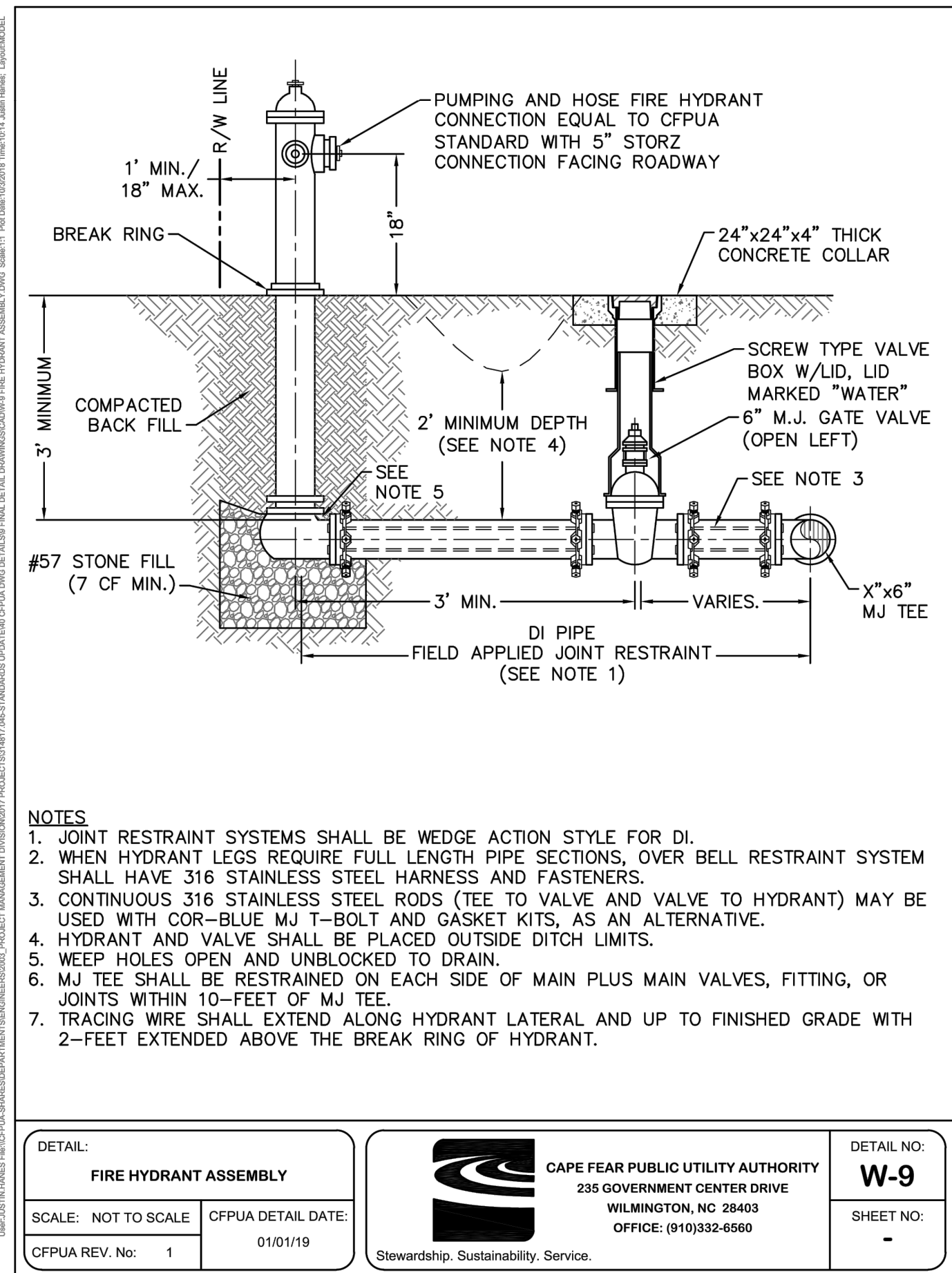
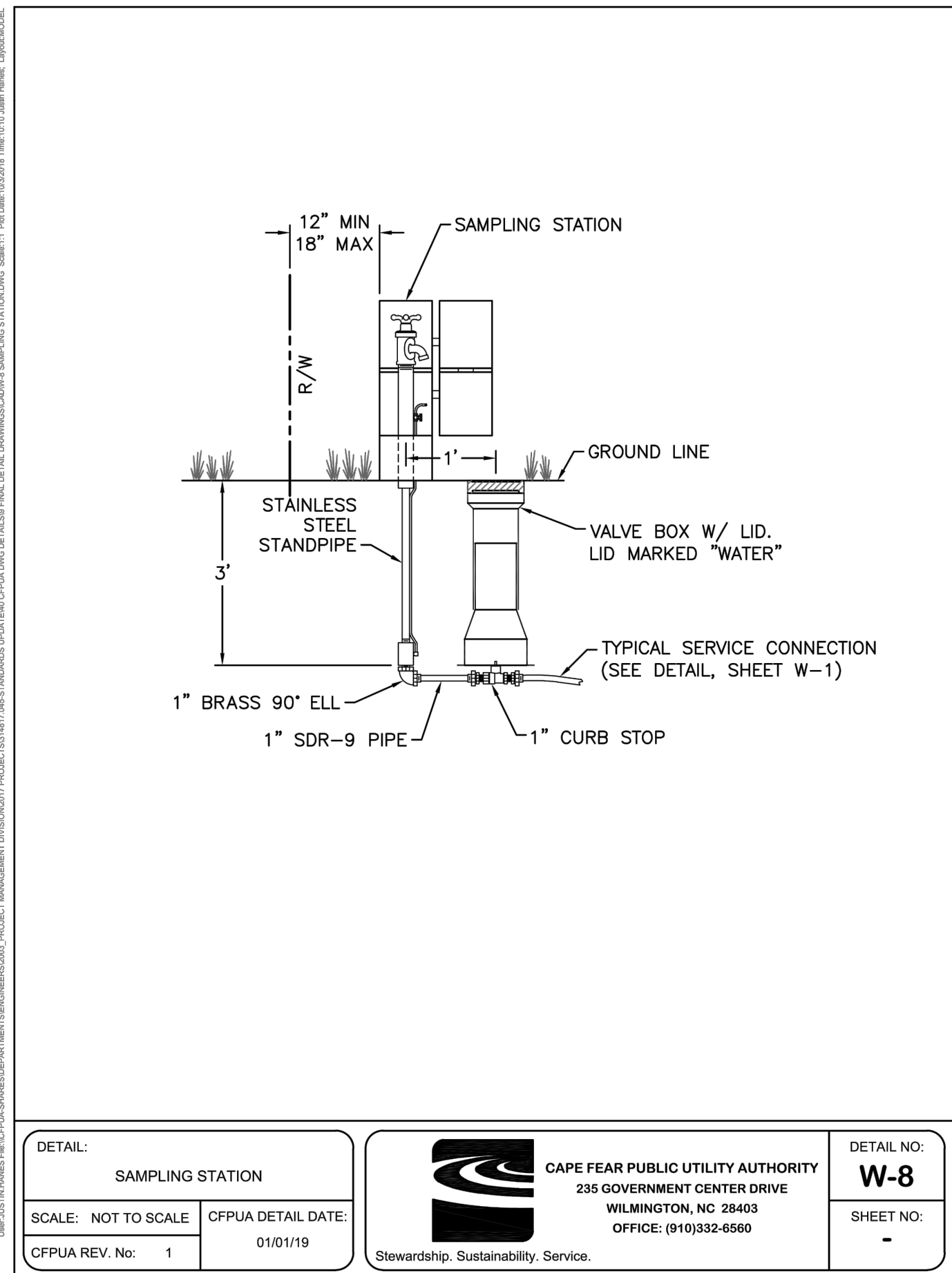
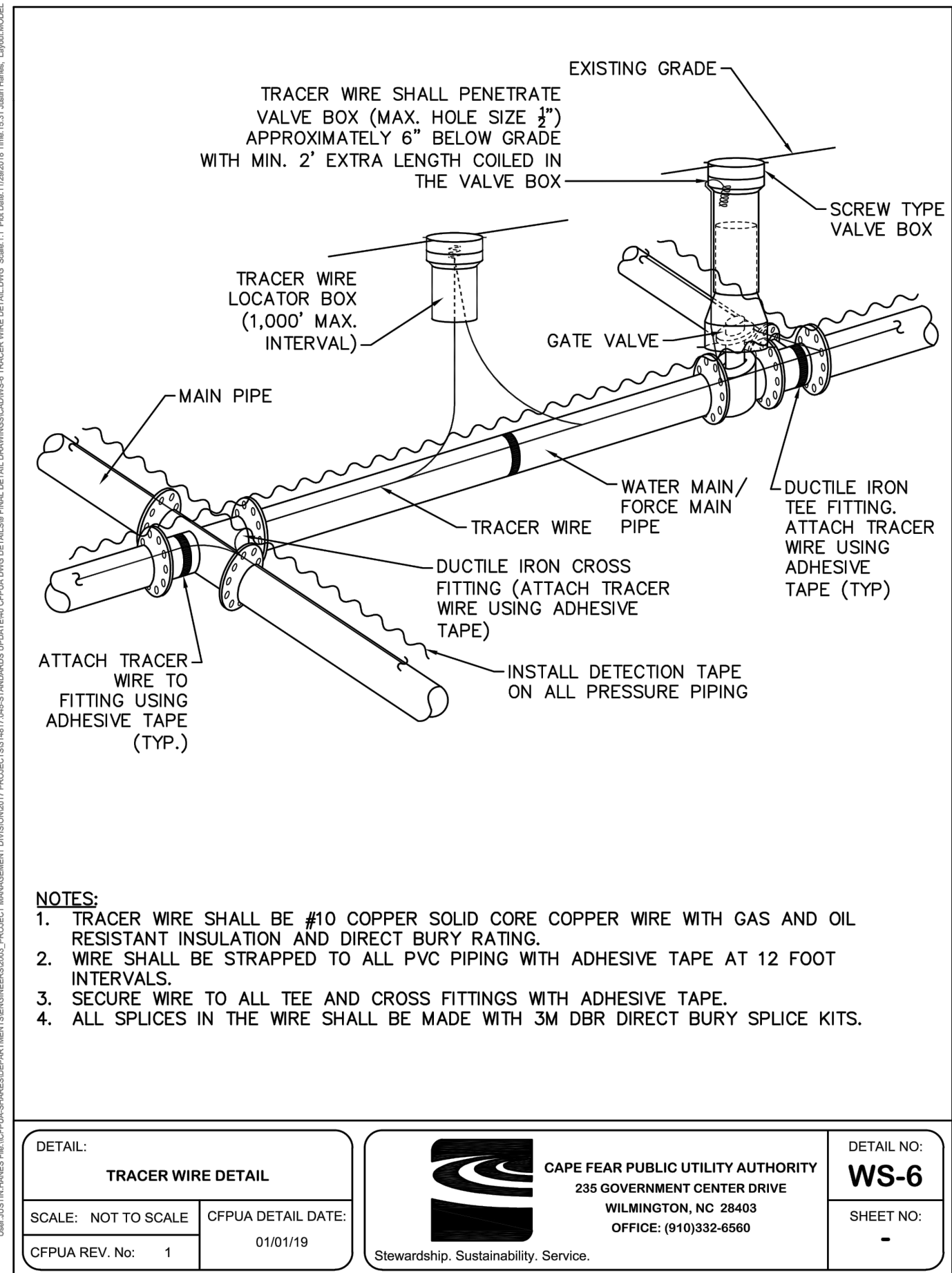
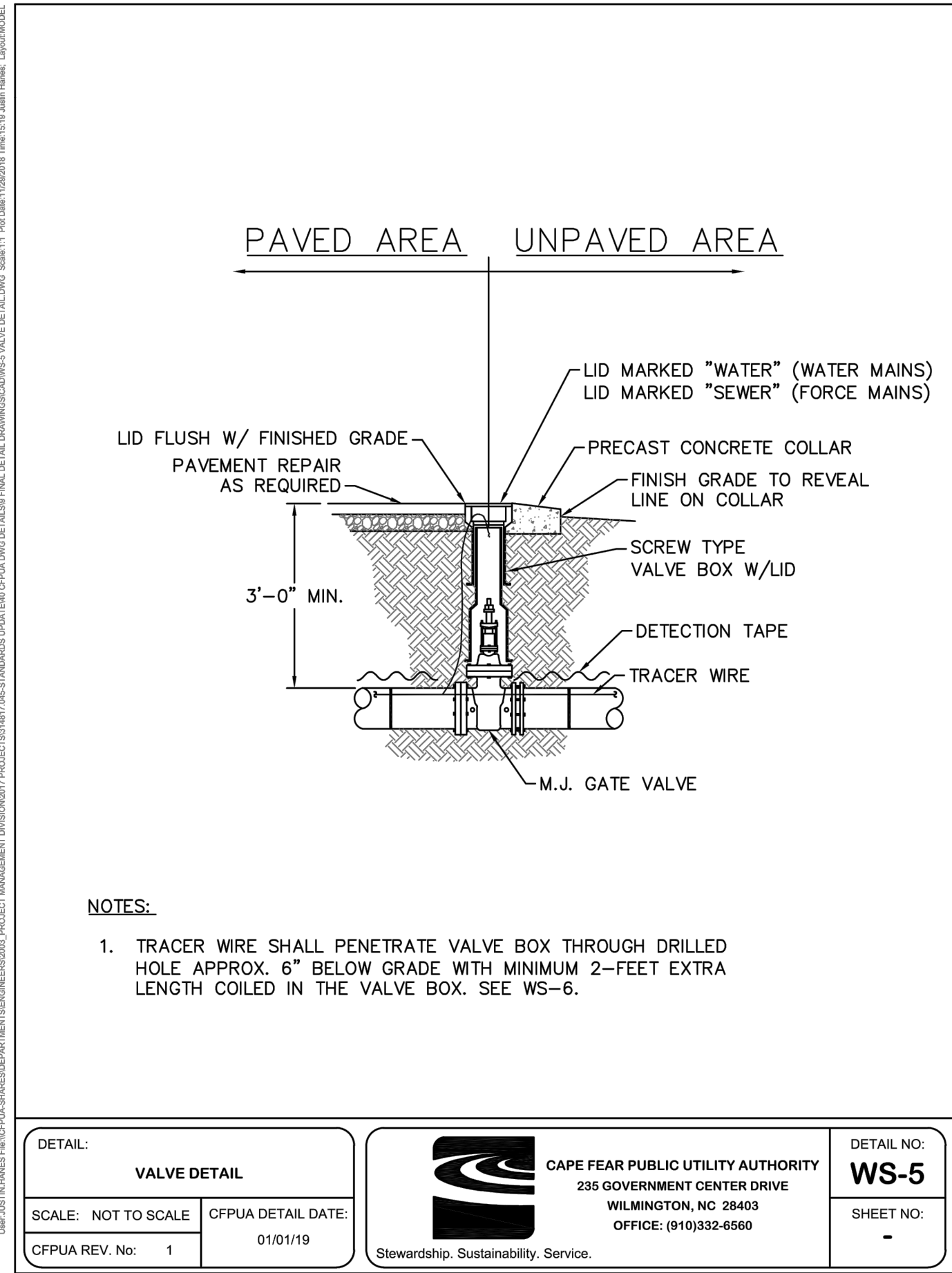
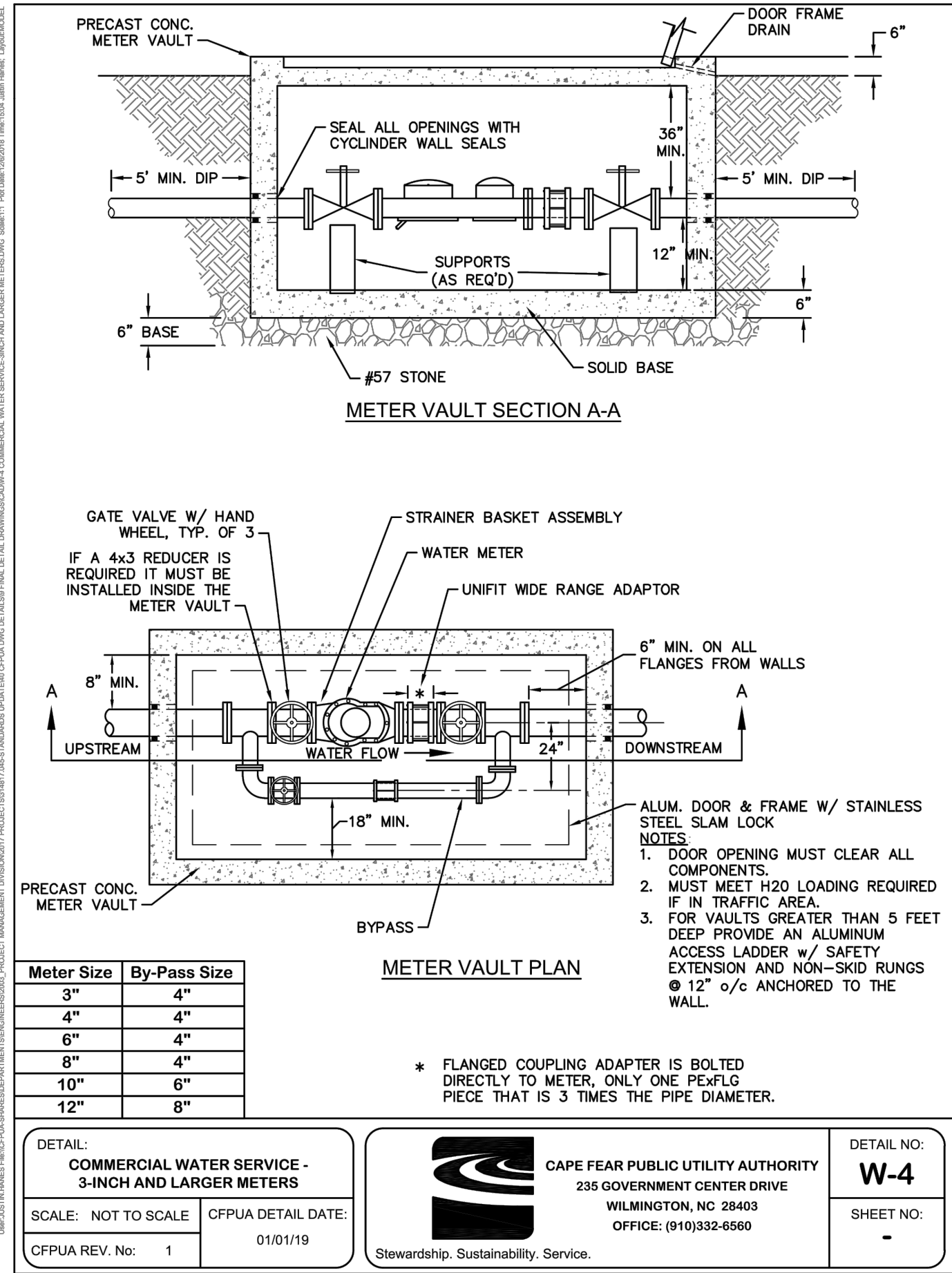
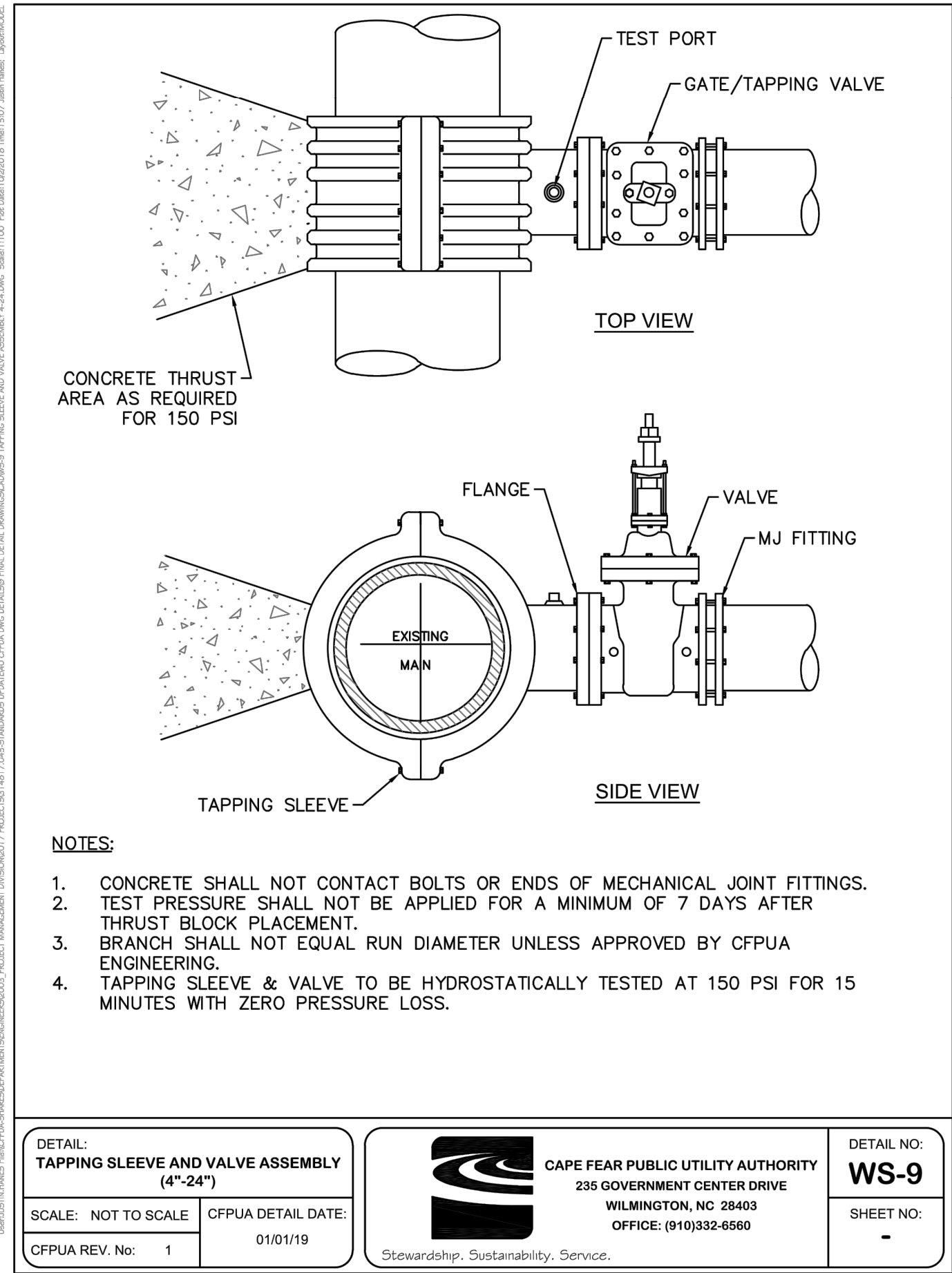
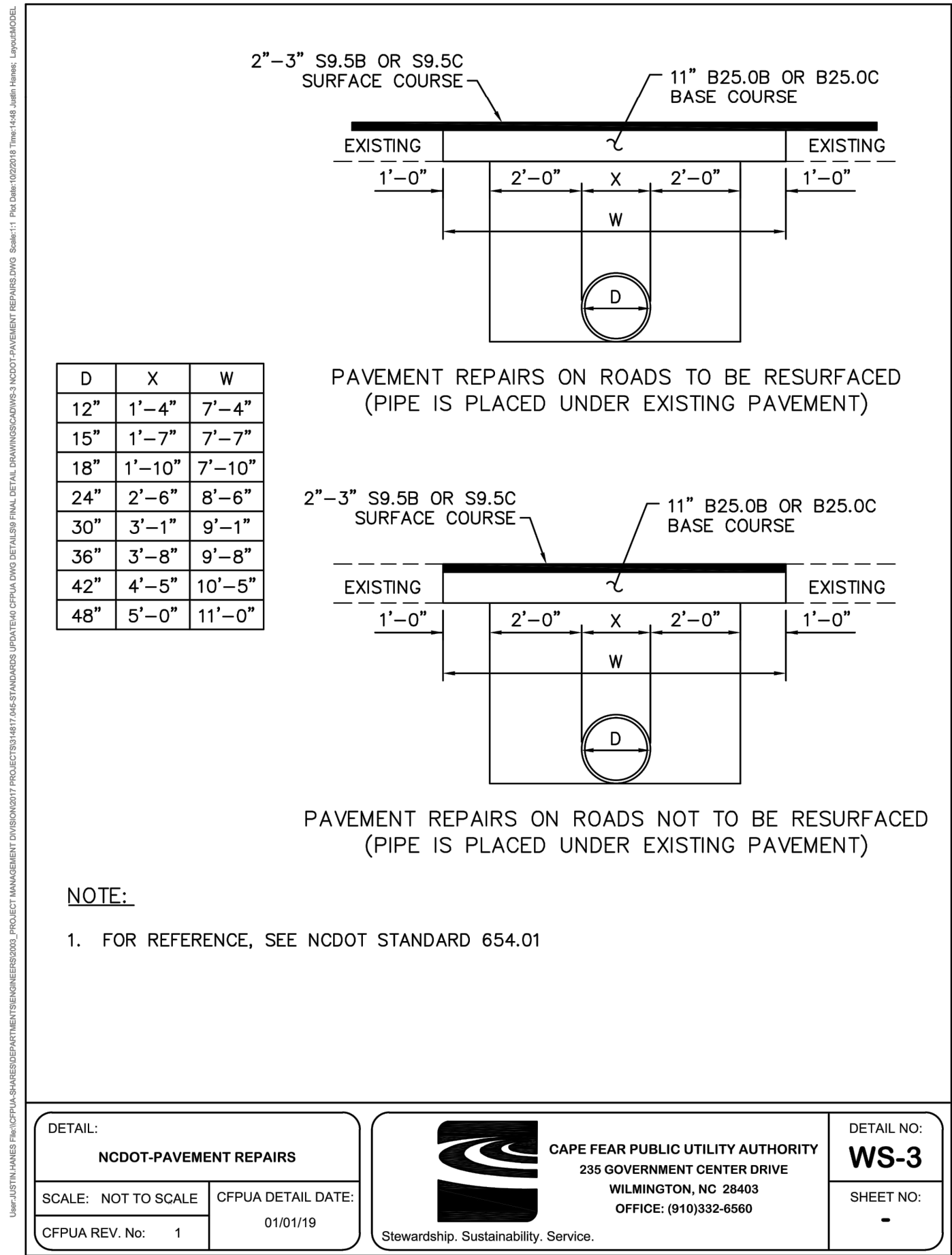
PROJECT NO. WLM-17000
FILENAME WLM17000-EC1
CHECKED BY -
DRAWN BY EMD
SCALE 1" = 100'
DATE 10.30.20

SHEET

EROSION CONTROL
PLAN - BASE BID

C6.00

X:\Project\1_Shared\WLM\WLM-17000\04-Production\Engineering\Construction Drawings\WLM17000-D1.dwg, 11/20/2020 4:17:59 PM, Demosell, Etc



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830

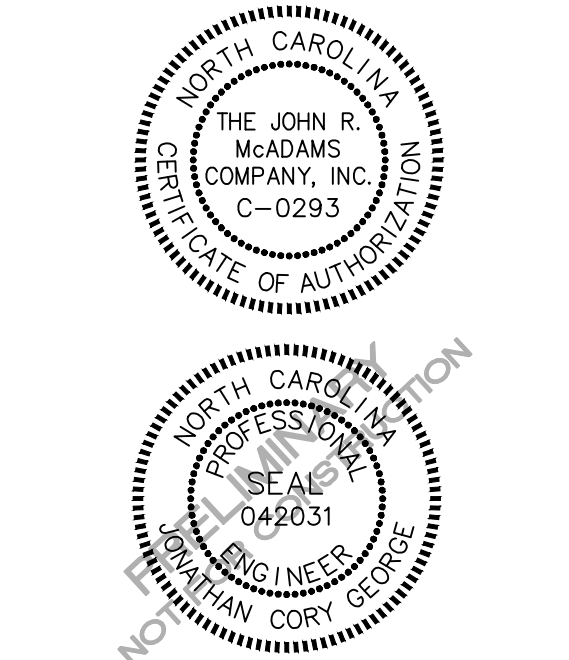
CITY OF WILMINGTON
NORTH CAROLINA

REGIONAL ATHLETIC COMPLEX

60% CONSTRUCTION DRAWINGS

205 SUTTON STEAM PLANT ROAD

WILMINGTON, NC 28401



REVISIONS

NO.	DATE
-----	------

PLAN INFORMATION

PROJECT NO.	WLM-17000
FILENAME	WLM17000-D1
CHECKED BY	-
DRAWN BY	EMD
SCALE	NTS
DATE	08.20.20

SHEET

WATER DETAILS

C8.01

X:\Project3\Shared\WLM-17000\04-Production\Engineering\Construction Drawings\WLM17000-D1.dwg, 11/20/2020 4:18:05 PM, Demosell, Etc

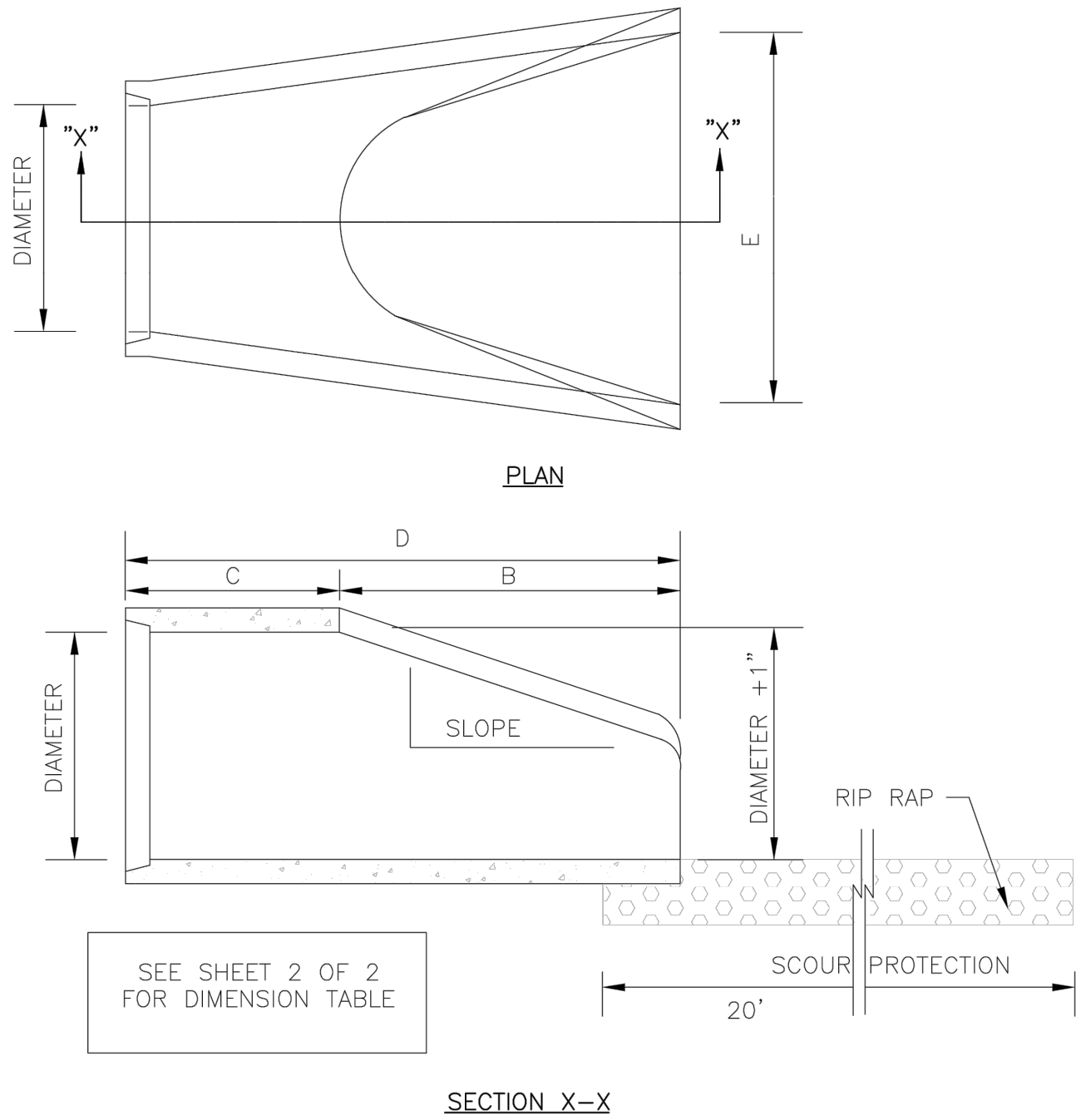
NOTE:
1. STRUCTURAL DESIGN OF END SECTION SHALL CONFORM WITH THAT OF STANDARD REINFORCED CONCRETE.

PIPE DIAMETER	WALL THICKNESS	SLOPE	B	C	D	E	UNIT WEIGHT
12	2 1/4	3:1	24	49	73	24	730
15	2 1/4	3:1	27	46	73	30	910
18	2 1/2	3:1	27	46	73	36	1190
21	2 3/4	3:1	36	37	73	42	1370
24	3	3:1	42	31 1/2	73 1/2	48	1770
27	3 1/4	3:1	48	25 1/2	73 1/2	54	2130
30	3 1/2	3:1	54	19 3/4	73 3/4	60	2380
33	3 3/4	3:1	60	36	96	66	3870
36	4	3:1	63	34 3/4	97 3/4	72	5320
42	4 1/2	3:1	63	35	98	78	5920
48	5	3:1	72	26	98	84	7470
54	5 1/2	2.4:1	66	34	100	90	8810
60	6	2:1	60	39	99	96	11180
72	7	2:1	78	21	99	108	13980

DIMENSIONS IN INCHES WEIGHTS IN POUNDS

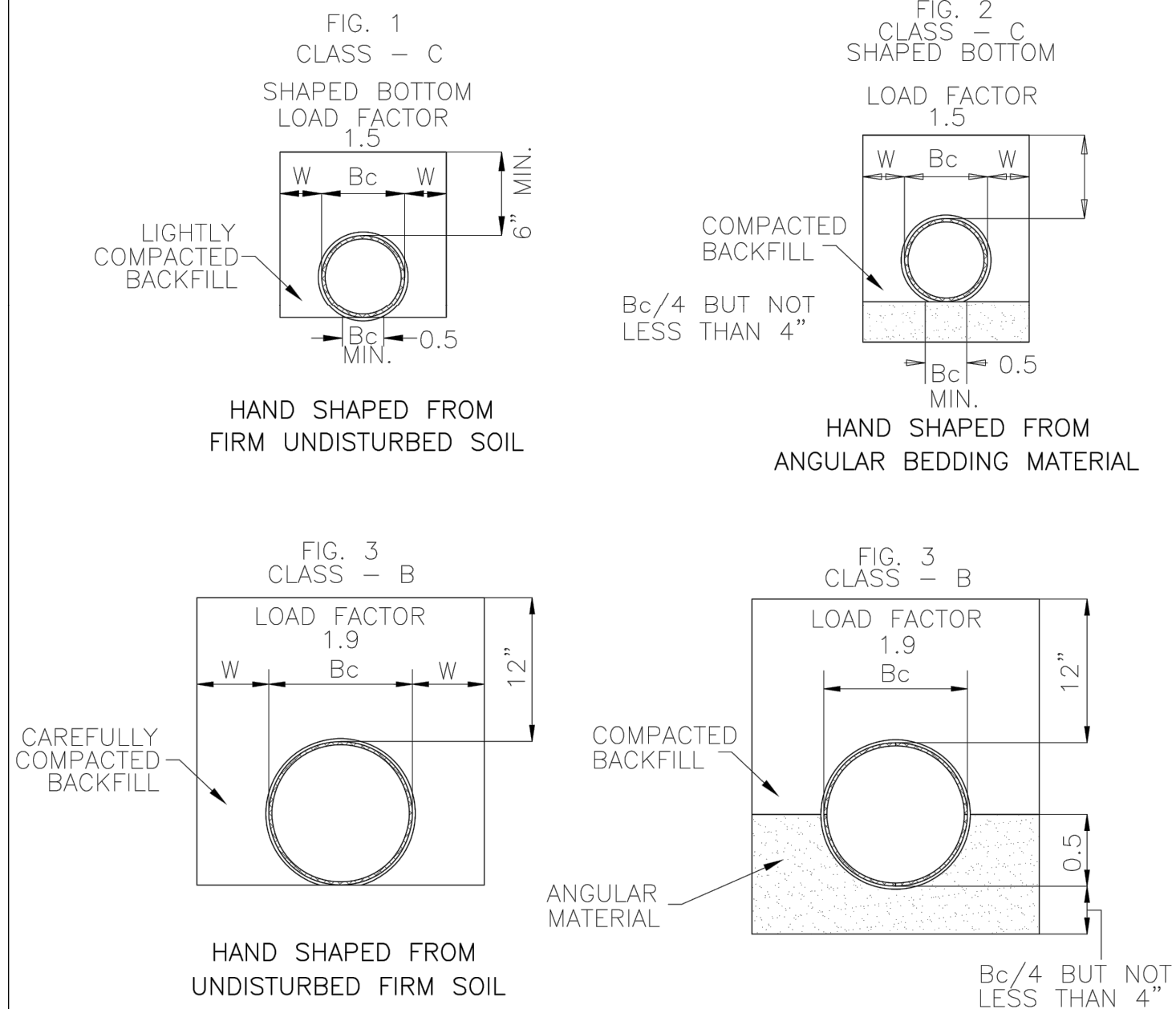
SHEET 2 OF 2

		STANDARD DETAIL		<div><div><div><div><div><div></div><div>CITY OF WILMINGTON</div><div>NORTH CAROLINA</div></div></div><div><div><div><div><div></div><div>CITY OF WILMINGTON ENGINEERING</div><div>PO BOX 1810</div><div>WILMINGTON, NC 28402</div><div>(910) 341-7807</div></div></div></div><div>SD 1-17</div></div></div></div></div>
DATE: 2001		FLARED END SECTION OUTLET DIMENSION TABLE		
DRAWN BY JSR/CMR				
CHECKED BY B.P., P.E.				
SCALE NOT TO SCALE				

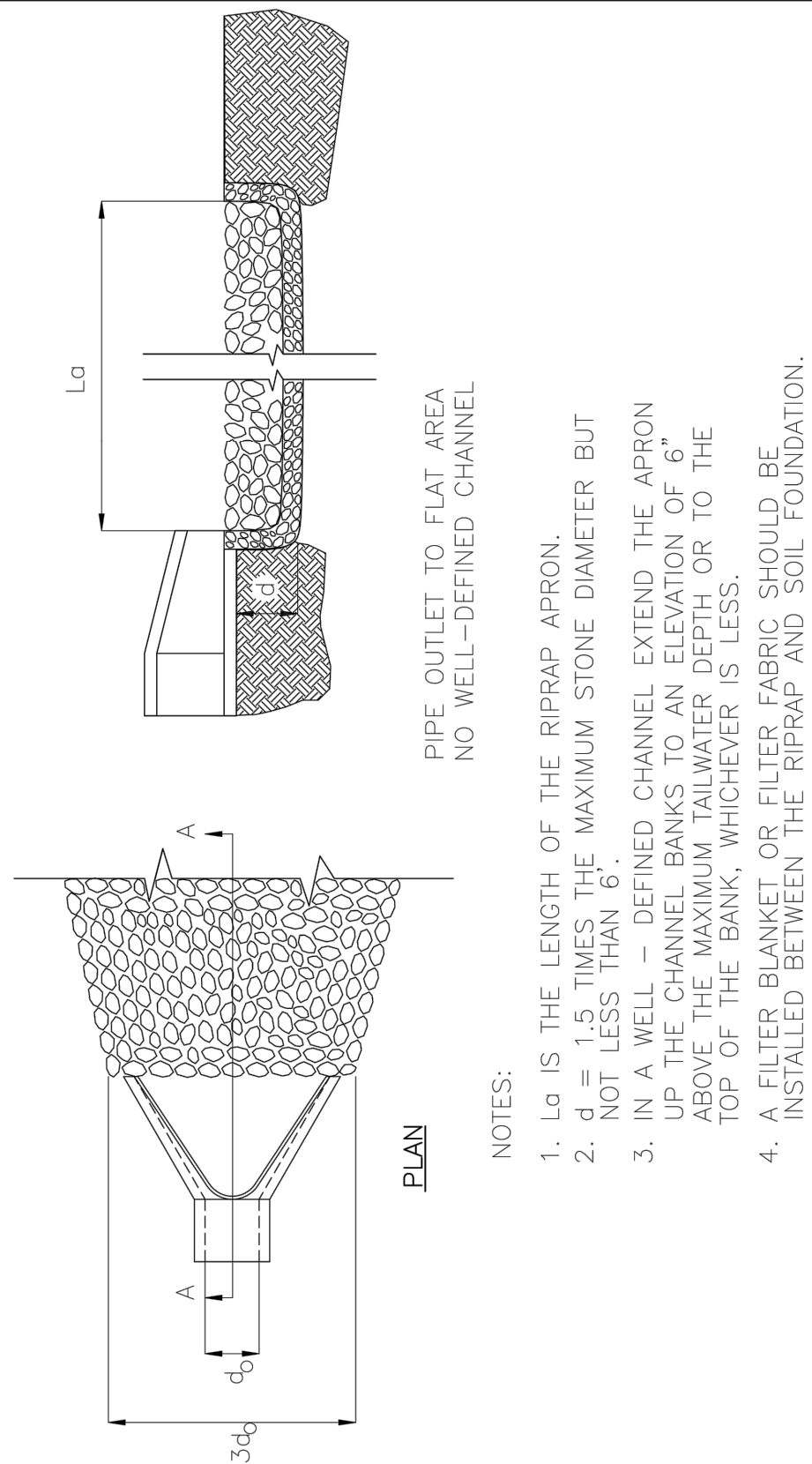


SHEET 1 OF 2

		STANDARD DETAIL		<div><div><div><div><div><div></div><div>CITY OF WILMINGTON</div><div>NORTH CAROLINA</div></div></div><div><div><div><div><div></div><div>CITY OF WILMINGTON ENGINEERING OFFICE</div><div>305 CHESTNUT STREET</div><div>PO. BOX 1810</div><div>WILMINGTON N.C. 28402</div><div>(910) 341-7807</div></div></div></div><div>SD 1-17</div></div></div></div></div>
DATE: 2001		FLARED END SECTION OUTLET		
DRAWN BY JSR/CMR				
CHECKED BY B.P., P.E.				
SCALE NOT TO SCALE				



		STANDARD DETAIL		<div><div><div><div><div><div></div><div>CITY OF WILMINGTON</div><div>NORTH CAROLINA</div></div></div><div><div><div><div><div></div><div>CITY OF WILMINGTON ENGINEERING</div><div>PO BOX 1810</div><div>WILMINGTON, NC 28402</div><div>(910) 341-7807</div></div></div></div><div>SD 2-17</div></div></div></div></div>
DATE: 2001		GUIDELINES FOR BEDDING DETAILS, STORM SEWER CLASSES (B & C)		
DRAWN BY JSR/CMR				
CHECKED BY B.P., P.E.				
SCALE <u>NOT TO SCALE</u>				



- NOTES:
- La IS THE LENGTH OF THE RIPRAP APRON.
 - d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 .
 - IN A WELL - DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" TOP OF THE CHANNEL BANK OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 - A FILTER BANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

		STANDARD DETAIL		<div><div><div><div><div><div></div><div>CITY OF WILMINGTON</div><div>NORTH CAROLINA</div></div></div><div><div><div><div><div></div><div>CITY OF WILMINGTON ENGINEERING</div><div>PO BOX 1810</div><div>WILMINGTON, NC 28402</div><div>(910) 341-7807</div></div></div></div><div>SD 2-15</div></div></div></div></div>
DATE: 2001	PIPE OUTLET PROTECTION			
DRAWN BY JSR/CMR				
CHECKED BY B.P., P.E.				
SCALE NOT TO SCALE				

McADAMS

The John R. McAdams Company, Inc.

2905 Meridian Parkway

Durham, NC 27713

phone 919. 361. 5000

fax 919. 361. 2269

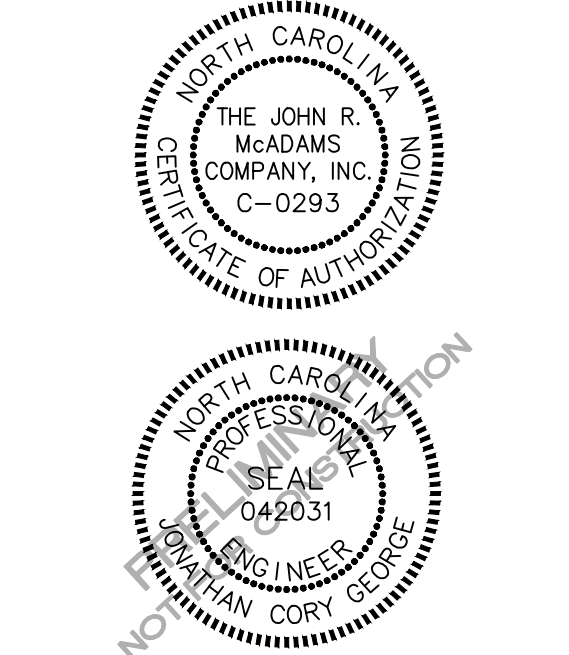
license number: C-0293, C-187

www.mcadamsco.com

CLIENT
CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



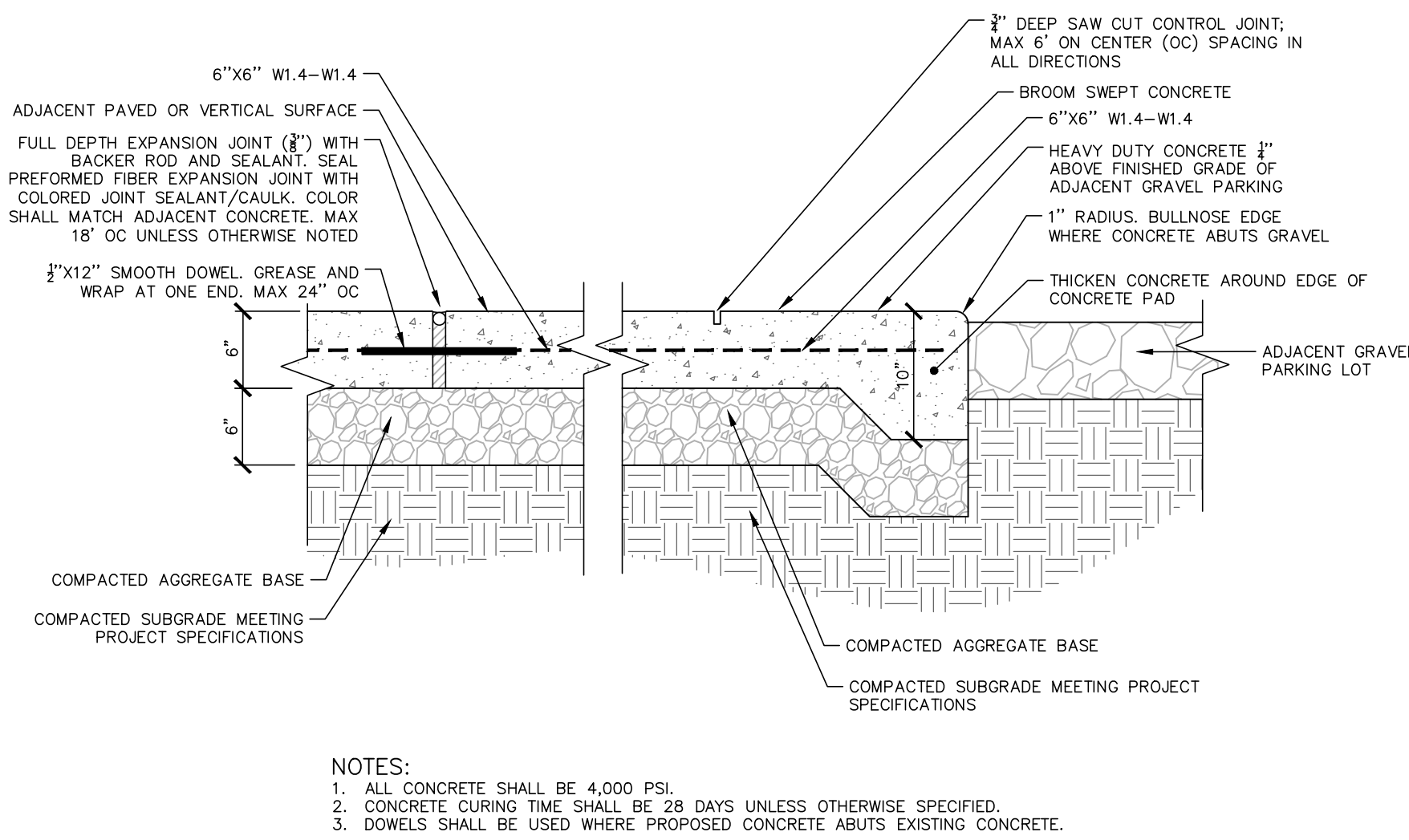
REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS	
NO.	DATE

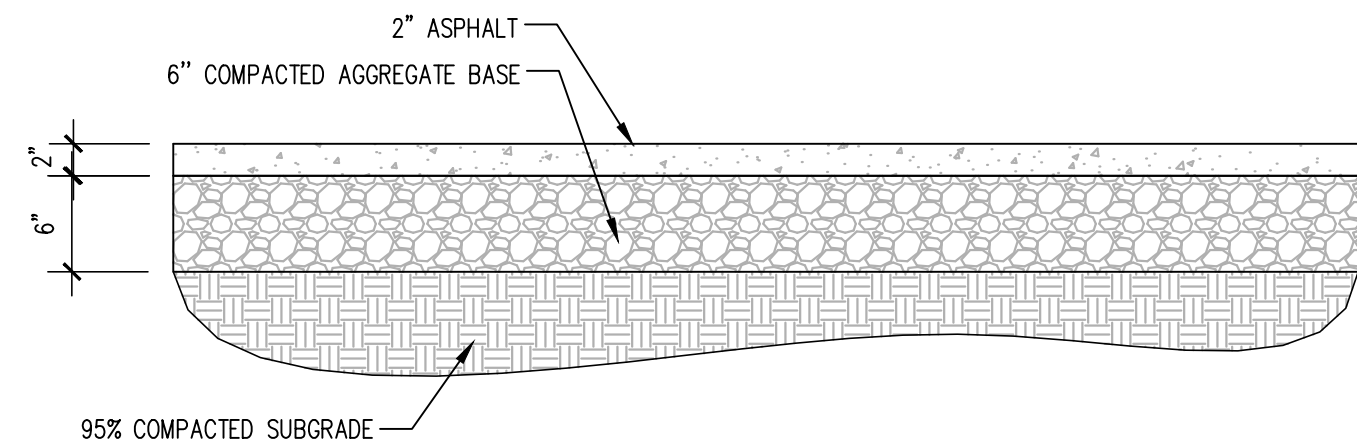
PLAN INFORMATION	
PROJECT NO.	WLM-17000
FILENAME	WLM17000-D1
CHECKED BY	-
DRAWN BY	EMD
SCALE	NTS
DATE	08.20.20
SHEET	

STORM
DRAINAGE DETAILS
C8.02



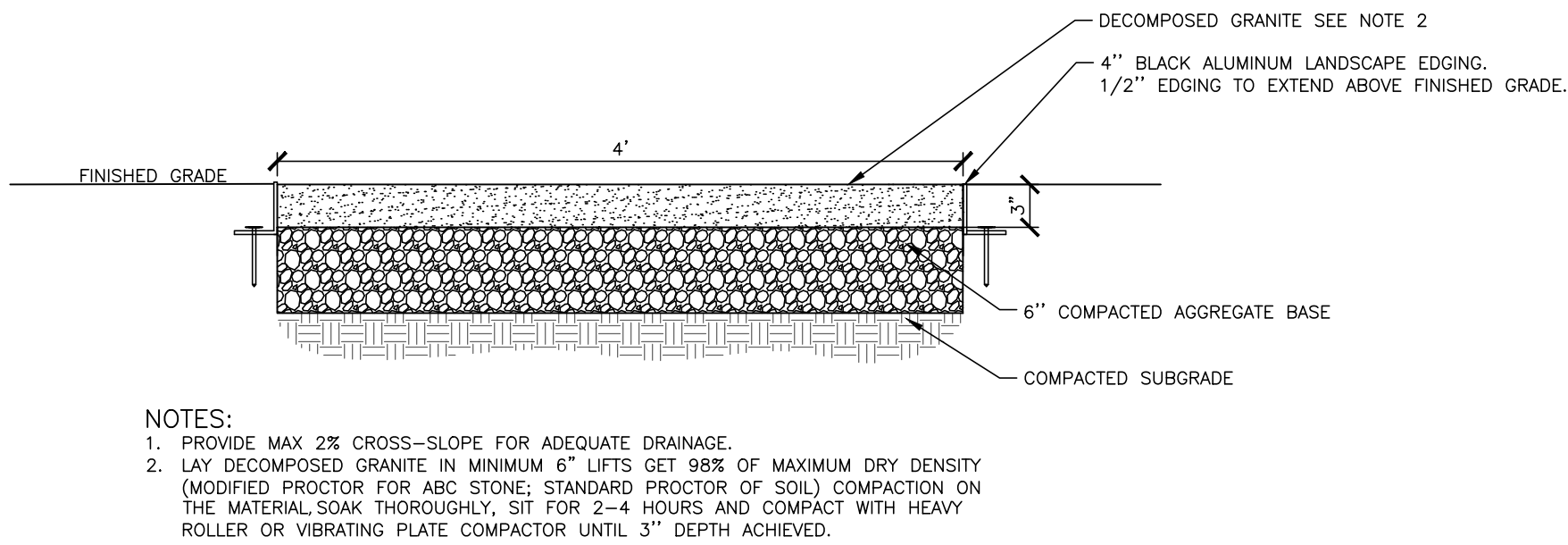
X PARKING HEAVY DUTY CONCRETE

SCALE: 1"=1'-0"



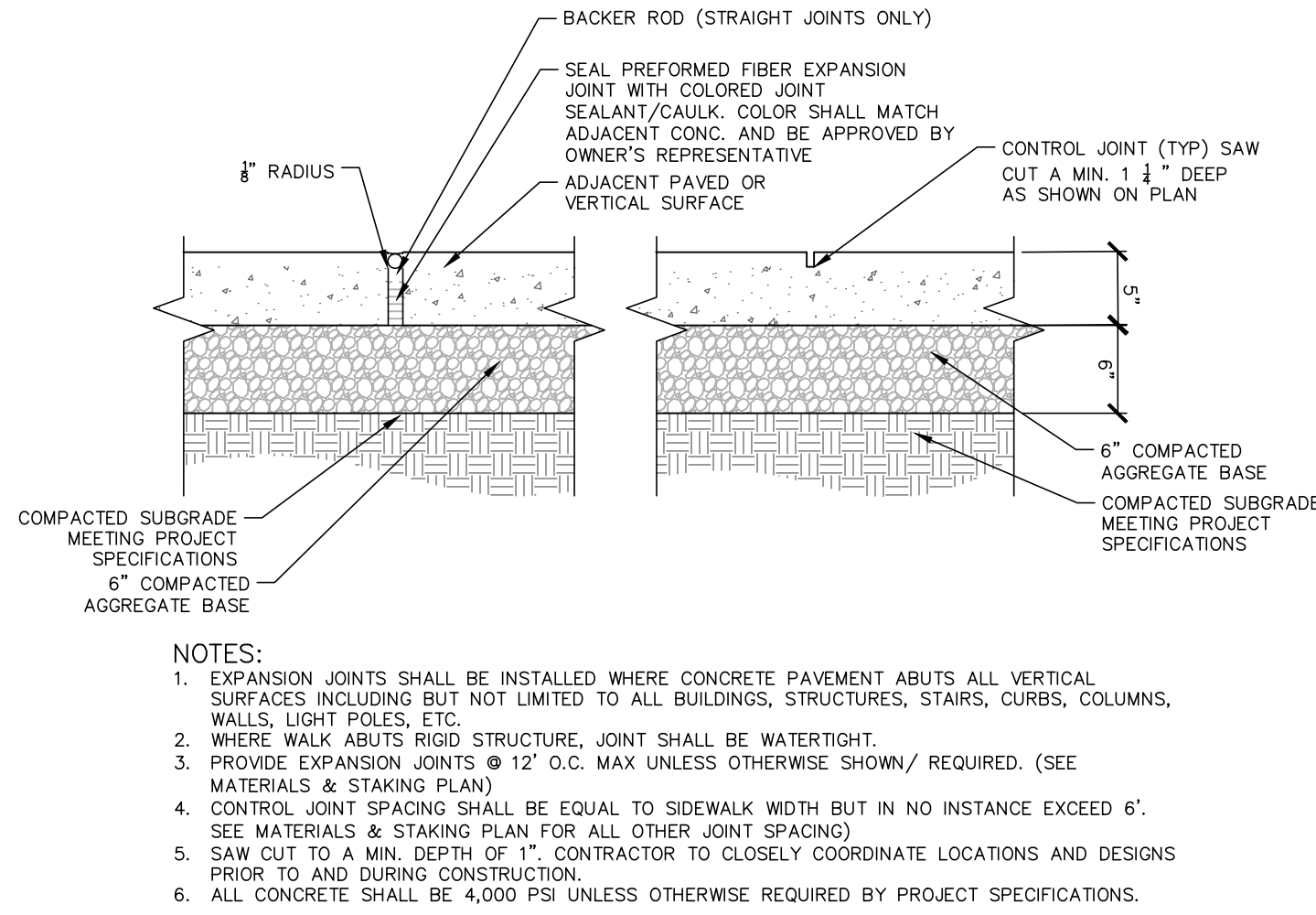
X MULTI USE TRAIL-ASPHALT

SCALE: 1"=1'-0"



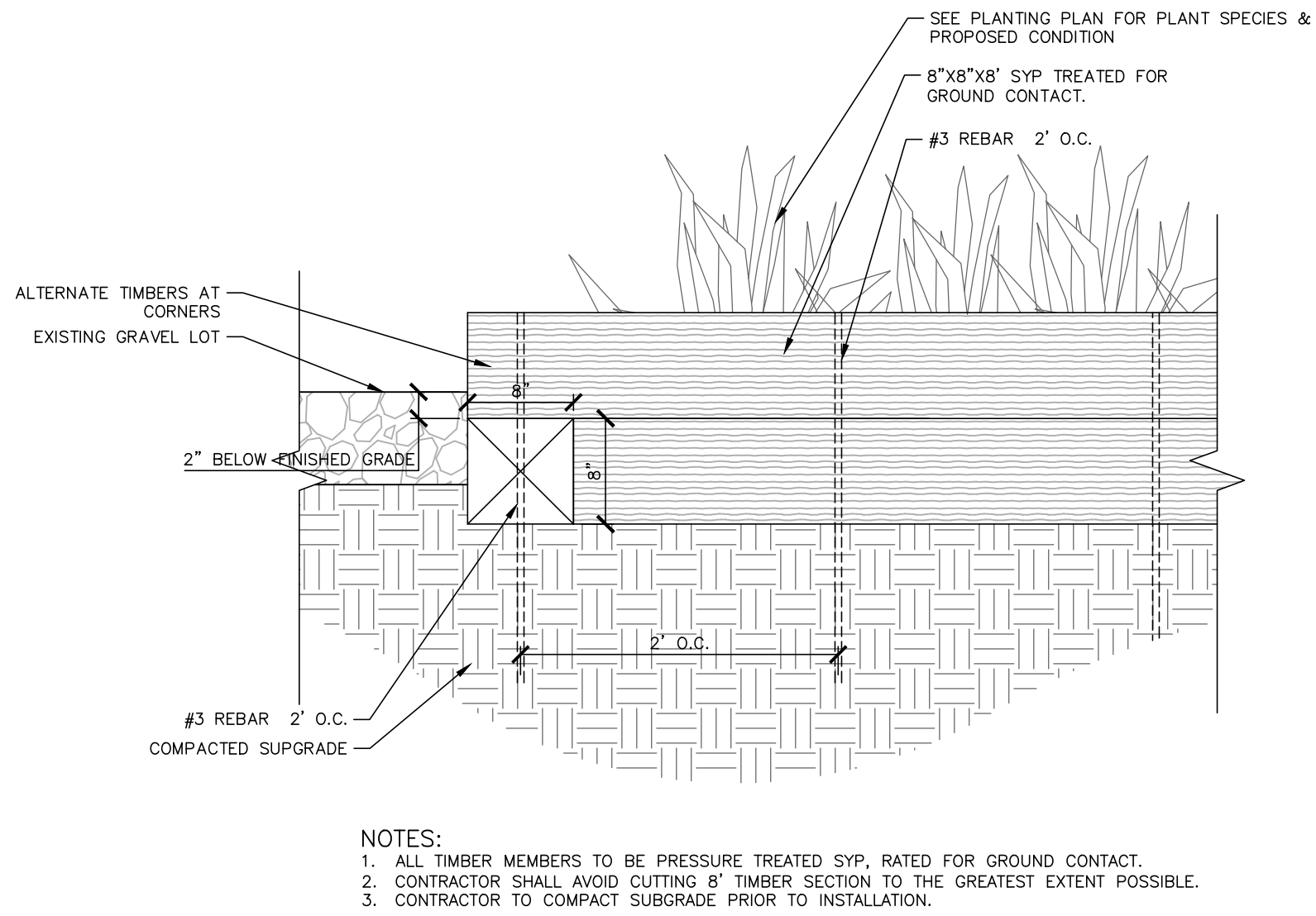
X MULTI USE TRAIL- DECOMPOSED GRANITE

SCALE: 1"=1'-0"



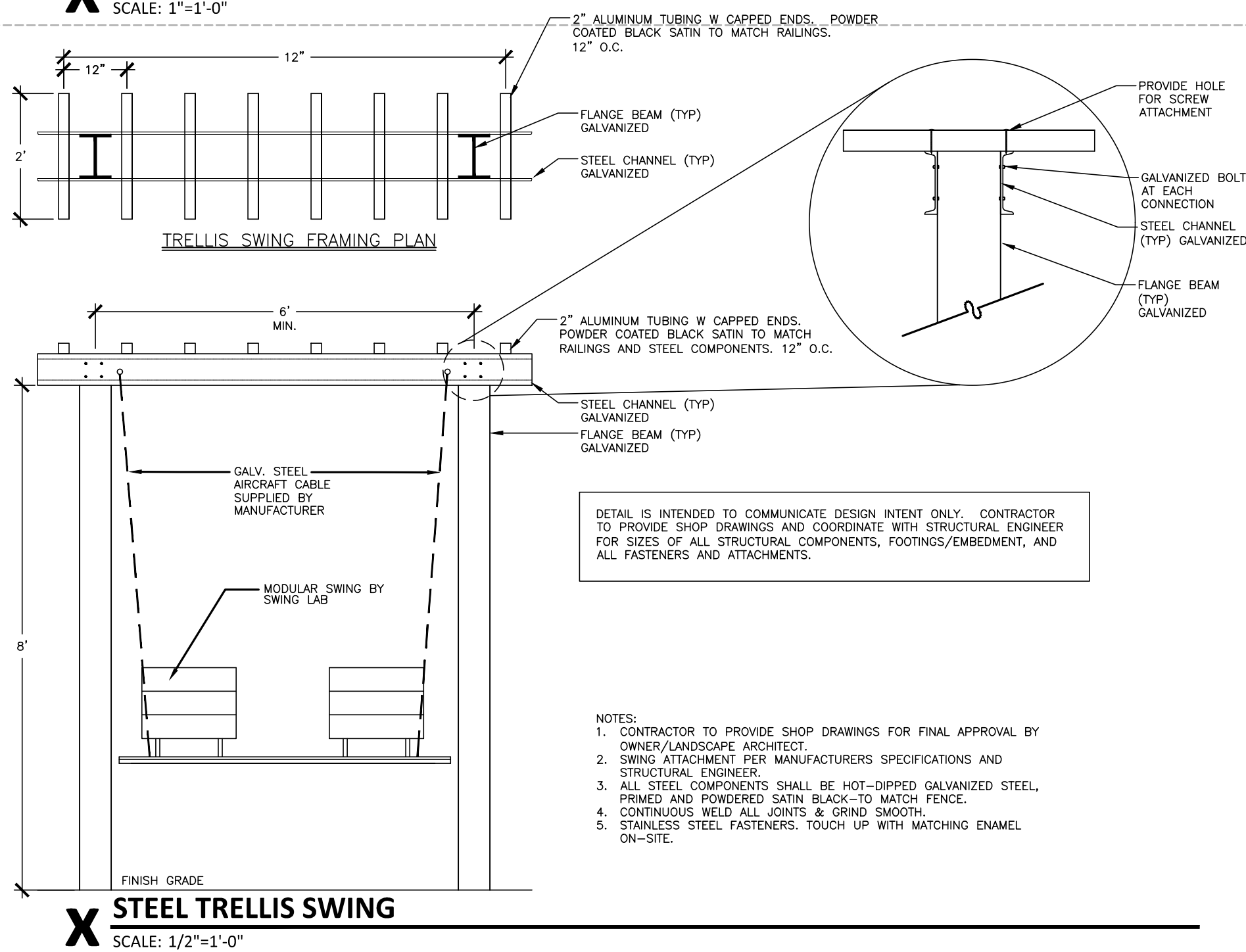
X XX

SCALE: 3/8"=1'-0"



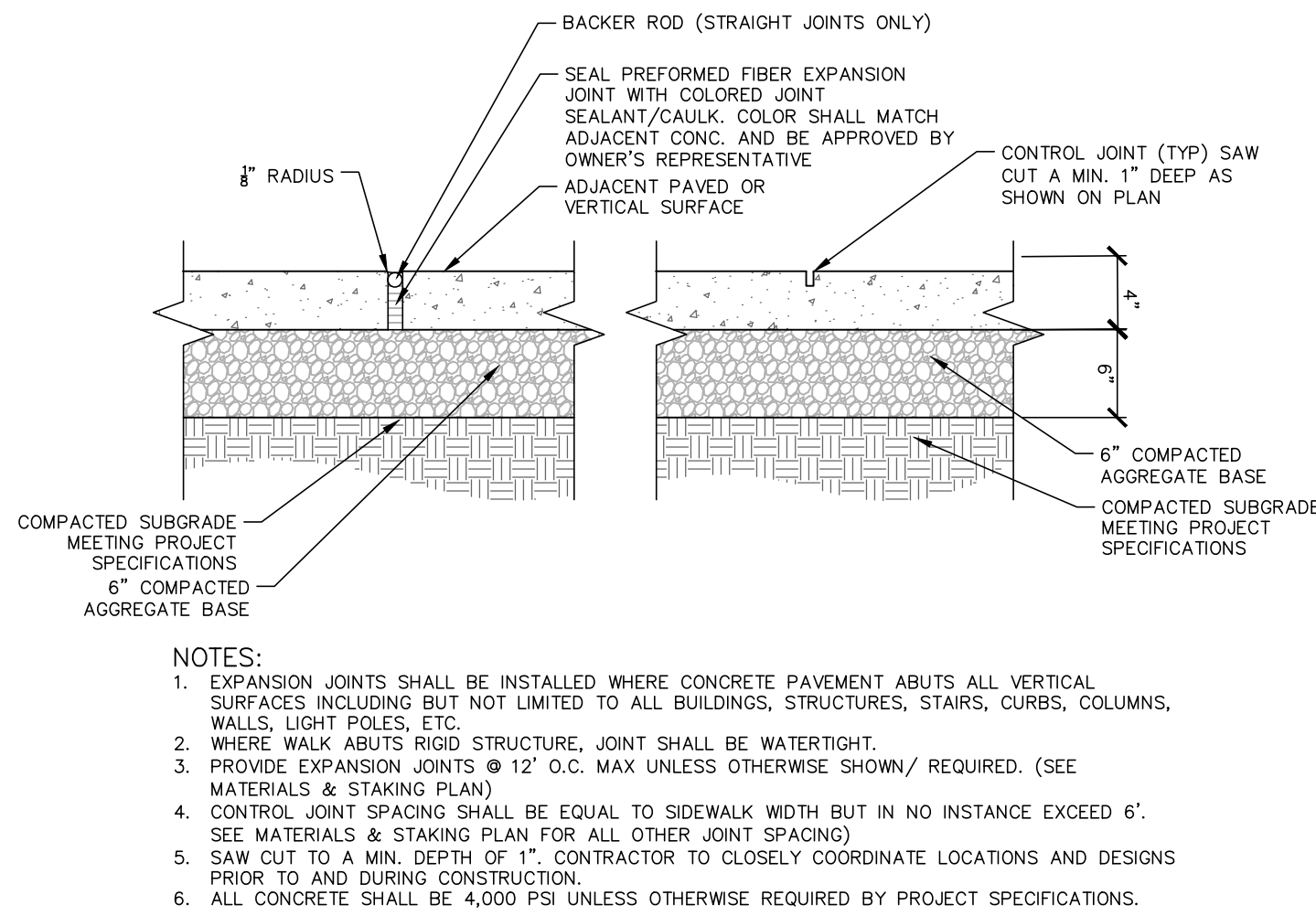
X LANDSCAPE BED EDGING- TIMBER

SCALE: 1"=1'-0"



X STEEL TRELLIS SWING

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



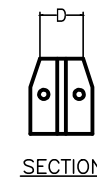
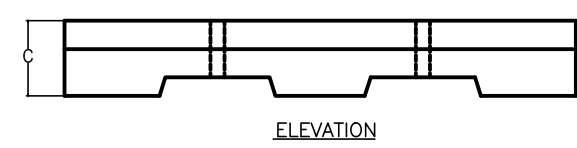
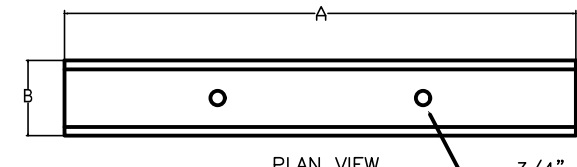
X XX

SCALE: 3/8"=1'-0"

DIMENSIONS (INCHES)			
A	B	C	D
72	9 1/2	7	3

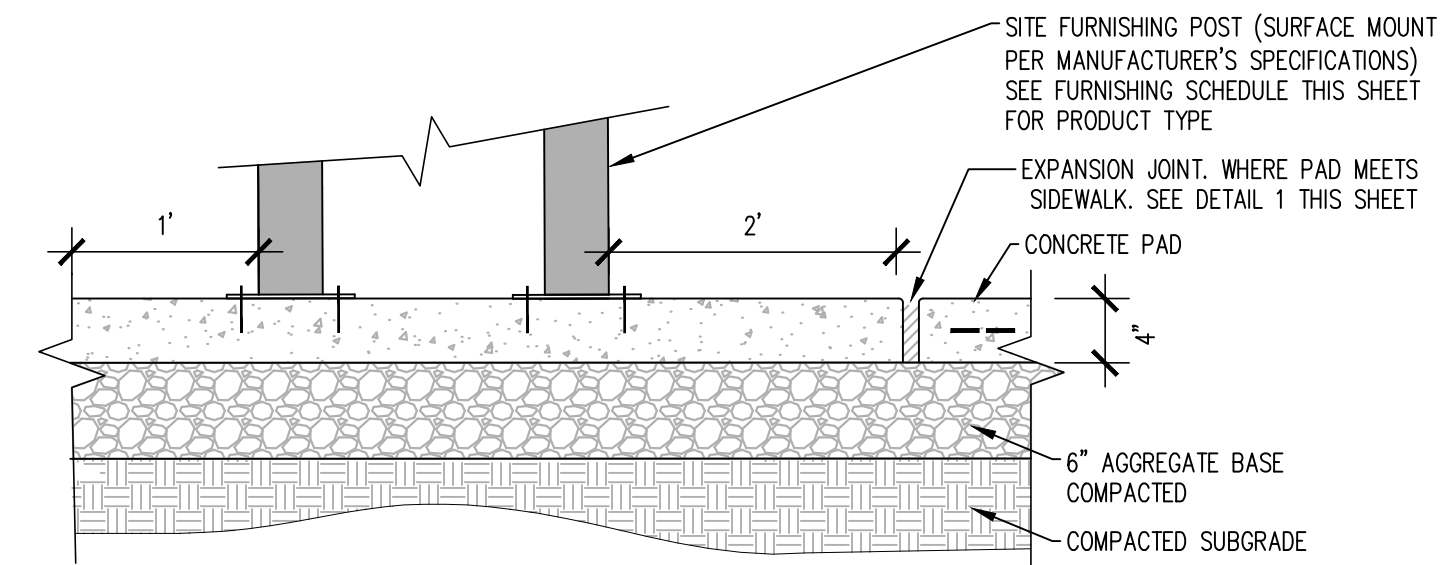
NOTES:

1. CONCRETE TO TEST 4000 PSI AT 28 DAYS, REINFORCING - 2 NO. 4 BARS
2. 5/8" DIAMETER STEEL ANCHOR SHALL BE 24" LENGTH



X WHEELSTOP DETAIL

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



X XX

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



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

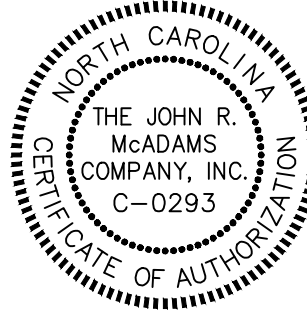
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-D1
CHECKED BY -
DRAWN BY EMD
SCALE NTS
DATE 08.20.20

SHEET

**SITE AND AMENITY
DETAILS**

C8.03

STORMWATER CONTROL MEASURES CONSTRUCTION SPECIFICATIONS

GENERAL NOTES

1. PRIOR TO CONSTRUCTION, ANY DISCREPANCIES IN THE PLANS AND NOTES SHALL BE BROUGHT TO THE DESIGN ENGINEER'S ATTENTION IMMEDIATELY.
2. THE LEVEL SPREADER SYSTEM WILL BE REQUIRED TO BE CERTIFIED ONCE CONSTRUCTION IS COMPLETE.
3. ALL CONSTRUCTION ACTIVITY RELATED TO THE PROPOSED FACILITIES SHALL BE PER THE DETAILS AND SPECIFICATIONS SHOWN IN THESE DRAWINGS. SOILS, COMPACTION, AND OTHER MISCELLANEOUS DETAILS AND SPECIFICATIONS MAY BE MODIFIED PER THE RECOMMENDATIONS OF THE ON-SITE GEOTECHNICAL ENGINEER. HOWEVER, PRIOR TO IMPLEMENTATION, THE DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DEVIATION FROM THESE DESIGN DRAWINGS, INCLUDING SHOP DRAWINGS FOR ANY PROPOSED MODIFICATION.
4. ANY REMOVED TOPSOIL SHALL BE STOCKPILED FOR USE IN THE CONSTRUCTION OF THE ENGINEERED FILTER STRIP AT THE FACILITY. PRIOR TO PLACEMENT OF THE 6" LAYER OF TOPSOIL IN THE ENGINEERED FILTER STRIP, THE CONTRACTOR SHALL SCARIFY THE TOP 2"-3" OF EXISTING SOIL TO PROMOTE BONDING OF THE TOPSOIL WITH THE EXISTING SOIL.
5. IT IS ANTICIPATED THAT DEWATERING WILL BE NECESSARY IN THE EXCAVATION AREAS FOR THE FACILITIES. THEREFORE, THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ANY PUMPING EQUIPMENT, ETC. NEEDED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE LEVEL SPREADER SITES. DURING PLACEMENT OF FILL WITHIN THESE AREAS, THE CONTRACTOR SHALL KEEP THE WATER LEVEL BELOW THE BOTTOM OF THE EXCAVATION / CONSTRUCTION AREAS. THE MANNER IN WHICH THE WATER IS REMOVED SHALL BE SUCH THAT THE EXCAVATION BOTTOM AND SIDE SLOPES ARE STABLE, WITH NO SEDIMENT DISCHARGED FROM THE SITE (I.E. PUMPED WATER MAY NEED TO BE DIRECTED TO AN APPROVED EROSION CONTROL DEVICE SUCH AS A DIRT BAG (ACF ENVIRONMENTAL), OR APPROVED EQUIVALENT, PRIOR TO DISCHARGE).
6. THE LEVEL SPREADER, AS PROPOSED ON THIS PROJECT, MUST BE LOCATED IN COMMON OPEN SPACE, HAVE AN ACCESS AND MAINTENANCE EASEMENT LOCATED AROUND IT, AND INCLUDE AN OPERATIONS AND MAINTENANCE MANUAL (O&M MANUAL) WITH A MAINTENANCE AGREEMENT.

CONSTRUCTION SEQUENCE

1. THE OWNER SHALL OBTAIN A LAND DISTURBING (GRADING) PERMIT AND AN "APPROVAL TO CONSTRUCT" FROM THE CITY OF WILMINGTON AND ALL OTHER APPLICABLE AGENCIES (I.E., 404 / 401 PERMITS, STREAM BUFFER INTRUSIONS/MODIFICATIONS, FLOOD PLAIN DEVELOPMENT PERMITS, ETC.) PRIOR TO CONSTRUCTION.
2. INSTALL ALL SEDIMENT AND EROSION CONTROL MEASURES PER THE APPROVED SEDIMENT AND EROSION CONTROL PLAN. THE CONTRACTOR SHALL MAINTAIN ALL APPROVED SEDIMENT AND EROSION CONTROL MEASURES THROUGHOUT THE ENTIRE PROJECT, AS REQUIRED. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE EROSION CONTROL INSPECTOR, AS REQUIRED BY GOVERNING AGENCIES, PRIOR TO ANY CLEARING.
3. CLEAR AND GRUB AREA WITHIN THE LIMITS OF THE LEVEL SPREADER. ALL TREES AND THEIR ENTIRE ROOT SYSTEMS MUST BE REMOVED FROM THE SCM FOOTPRINT AREA AND BACK FILLED WITH SUITABLE SOIL MATERIAL. THE BACK FILLED AREAS SHALL BE COMPACTED TO THE STANDARDS SET FORTH IN NOTE #4. PRIOR TO CONSTRUCTING THE LEVEL SPREADER STRUCTURE AND BYPASS BERM AT EACH SCM, THE AREAS FOR THE ABOVE SHALL BE STRIPPED TO A SUITABLE DEPTH AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER. ANY RESIDUAL SOILS TO BE LEFT IN PLACE MUST BE WELL SCARIFIED TO PROMOTE BONDING WITH NEW COMPACTED FILL.
4. ALL FILL SOILS USED IN THE LEVEL SPREADER CONSTRUCTION SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM-698). THE FILL SOILS SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN 1 TO 3 PERCENT OF ITS OPTIMUM MOISTURE CONTENT. COMPACTION TESTS SHALL BE PERFORMED BY THE ON-SITE GEOTECHNICAL ENGINEER DURING CONSTRUCTION TO VERIFY THAT THE PROPER COMPACTION LEVEL HAS BEEN REACHED. THE FILL SHOULD BE COMPACTED USING A SHEEPSFOOT TYPE COMPACTOR. IN ORDER TO PREVENT DAMAGE TO THE PIPE, NO COMPACTION EQUIPMENT SHALL CROSS ANY PIPE UNTIL MINIMUM COVER IS ESTABLISHED ALONG THE PIPE.
5. THE ON-SITE GEOTECHNICAL ENGINEER SHALL INSPECT THE LEVEL SPREADER STRUCTURE SUBGRADE AND THE BYPASS BERM SUBGRADE AT THE SCM PRIOR TO PLACEMENT / COMPACTION OF ANY BACK FILL WITHIN THESE AREAS. IF THE CONTRACTOR CONSTRUCTS AND COVERS UP THESE AREAS PRIOR TO INSPECTION, THEN THE SUBGRADE SHALL BE UNCOVERED AND TESTED AT THE CONTRACTOR'S EXPENSE. THE CONSTRUCTION OF THE LEVEL SPREADER STRUCTURE AND DIVERSION BERM AT THE SCM SHALL NOT OCCUR UNTIL APPROVAL OF THE SUBGRADES IS OBTAINED FROM THE ON-SITE GEOTECHNICAL ENGINEER.
6. CONSTRUCT THE LEVEL SPREADER STRUCTURE, INSTALL THE FOREBAY AND BLIND CHANNEL UPSTREAM OF THE LEVEL SPREADER STRUCTURE, INSTALL THE SPLITTER BOX, AND THEN INSTALL THE BYPASS CHANNEL/BERM. FOR THE FACILITY, IT IS RECOMMENDED THAT THE OUTLET FROM THE SPLITTER BOX TO THE LEVEL SPREADER STRUCTURE BE PLUGGED UNTIL THE LEVEL SPREADER HAS BEEN INSTALLED. ONCE A PRELIMINARY AS-BUILT OF THE CONSTRUCTED FACILITY IS PROVIDED TO THE DESIGN ENGINEER AND IT HAS BEEN DETERMINED THAT THE SCM HAS BEEN CONSTRUCTED IN GENERAL COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR THE FACILITIES, THE DESIGN ENGINEER WILL NOTIFY THE CONTRACTOR THAT THE PLUG CAN BE REMOVED. BASED ON THE RESULTS OF THE AS-BUILT SURVEYS, THE ELEVATIONS FOR THE CONCRETE LEVEL SPREADER MAY BE MODIFIED FROM THOSE PROVIDED IN THESE DRAWINGS.

MATERIAL SPECIFICATIONS

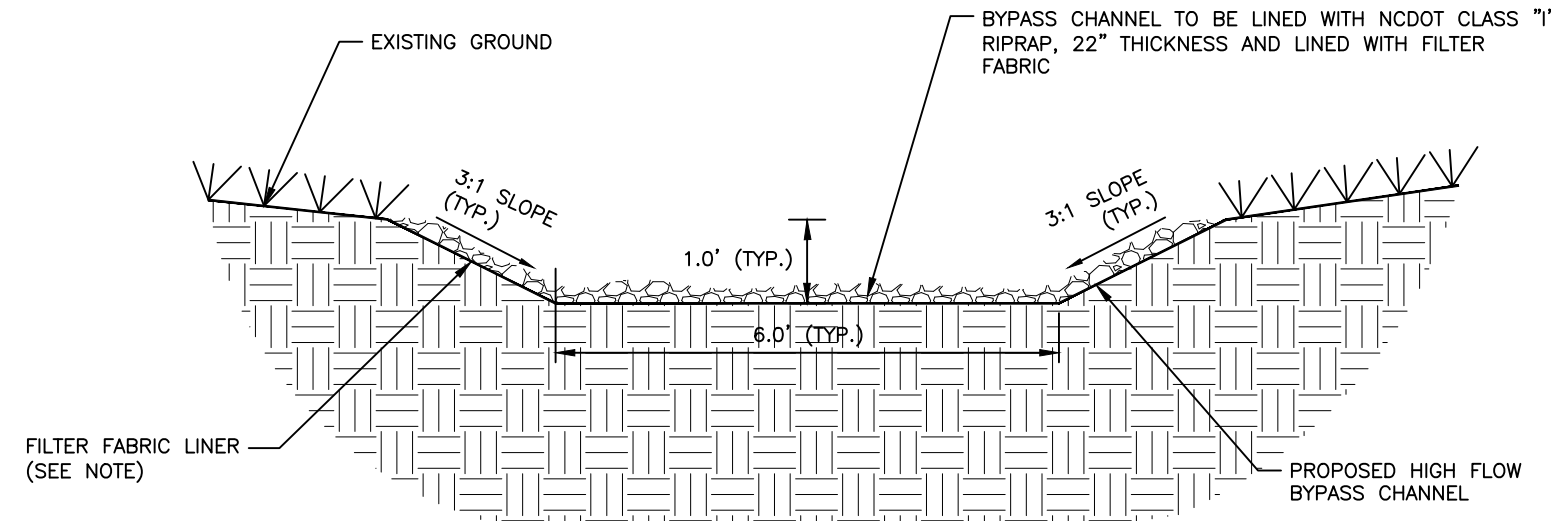
1. THE CONCRETE FOR THE LEVEL SPREADER FOOTING STRUCTURE SHALL BE MIN 3,000 PSI (28 DAY), SHALL INCLUDE 5-7% ENTRAINED AIR, AND SHALL BE PLACED WITH A 3-5" SLUMP, UNLESS OTHERWISE INDICATED OR DIRECTED BY THE DESIGN ENGINEER OR THE ONSITE GEOTECHNICAL ENGINEER. CONCRETE TESTING SHALL BE PROVIDED WITH THE AS-BUILT CERTIFICATION TO ENSURE THAT THE ABOVE REQUIREMENTS HAVE BEEN ACHIEVED.
2. ALL REINFORCING STEEL SHALL BE #4 CONFORMING TO ASTM A615, GRADE 60, AND SHALL BE INSTALLED WITH A MINIMUM 3" CONCRETE COVER.
3. THE REINFORCED CONCRETE FOOTER SHALL BE PLACED FIRST, FOLLOWED BY THE REINFORCED CONCRETE WALL.
4. NOTE THAT NO CONCRETE SHALL BE PLACED WHEN THE AMBIENT AIR TEMPERATURES ARE EXPECTED TO BE ABOVE 85°F OR BELOW 40°F. CAST-IN-PLACE CONCRETE SHALL BE "WET CURED" AFTER FINISHING FOR A MINIMUM OF 48 HOURS.
5. A FILTER BLANKET IS TO BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION. THE FILTER BLANKET WILL CONSIST OF A MINIMUM 4" THICK LAYER OF STONE (NCDOT #57) UNDERLAIN WITH MIRAFI FILTER WEAVE 700 OR ENGINEER APPROVED EQUIVALENT.

STATEMENT OF RESPONSIBILITY

1. ALL REQUIRED MAINTENANCE AND INSPECTIONS OF THE STORMWATER MANAGEMENT FACILITY SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER'S ASSOCIATION, PER THE EXECUTED OPERATION AND MAINTENANCE AGREEMENT FOR THIS FACILITY.

NOTES:

1. CHANNEL DIMENSION (1.0' DEEP, 6'0 BOTTOM WIDTH) ARE TO TOP OF RIP-RAP IN CHANNEL. ACTUAL CHANNEL EXCAVATION MUST CONSIDER THICKNESS OF THE RIPRAP AND FILTER FABRIC LINER. BYPASS CHANNEL TO STOP AT TOP OF BANK.
2. A FILTER BLANKET IS TO BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION. THE FILTER BLANKET WILL CONSIST OF A MINIMUM 4" THICK LAYER OF STONE (NCDOT #57) UNDERLAIN WITH MIRAFI FILTER WEAVE 700 OR ENGINEER-APPROVED EQUIVALENT.
3. RIPRAP TO EXTEND TO TOP OF CHANNEL WITH 3:1 SIDE SLOPES THROUGHOUT THE EXTENT OF CHANNEL.



BYPASS CHANNEL DETAIL
N.T.S.

DESIGNER PLAN CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE LATEST NEW HANOVER COUNTY ORDINANCES AND STORMWATER DESIGN MANUAL.

SIGNATURE: _____

PRINTED NAME AND TITLE: _____

DATE: _____

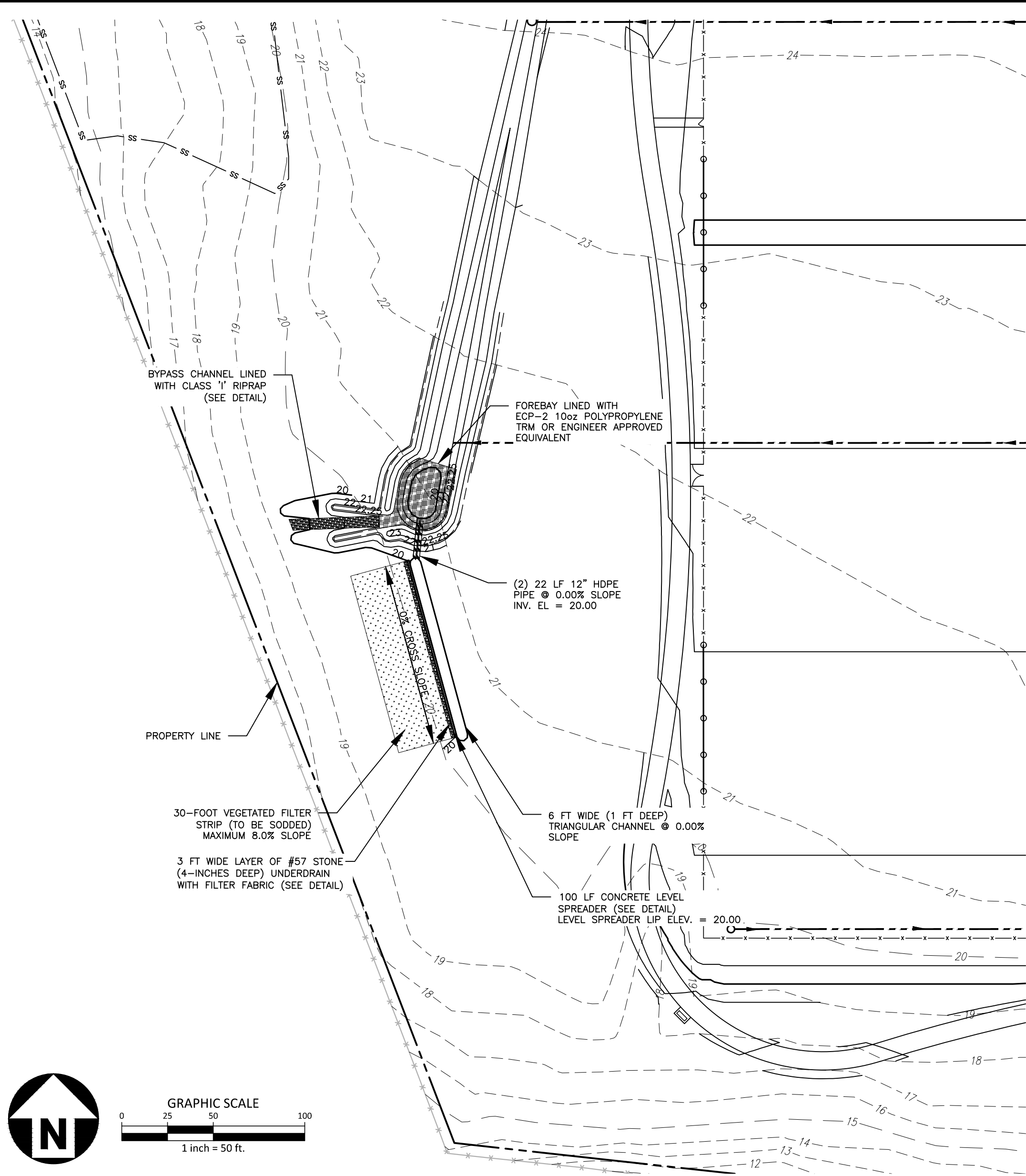
OWNER'S CERTIFICATION:

I (WE) HEREBY CERTIFY THAT I (WE) AM (ARE) THE CURRENT OWNER OF THE PROPERTY AND THAT UPON RECEIPT OF "AUTHORIZATION-TO-CONSTRUCT" ANY CLEARING, GRADING, CONSTRUCTION OR DEVELOPMENT, WILL BE PERFORMED IN ACCORDANCE WITH THIS PLAN AND THAT THE APPLICABLE ORDINANCES AND RULES OF NEW HANOVER COUNTY, THE STATE OF NORTH CAROLINA AND THE FEDERAL GOVERNMENT AND ITS AGENCIES WHICH ARE HEREBY MADE PART OF THIS PLAN, AS THE OWNER, I (WE) ACCEPT FULL RESPONSIBILITY FOR THE CONSTRUCTION AND OPERATION AND MAINTENANCE OF THE PROPOSED FACILITIES. I (WE) WILL NOT ATTEMPT TO TRANSFER OF THIS RESPONSIBILITY WITHOUT THE WRITTEN AUTHORIZATION OF NEW HANOVER COUNTY.

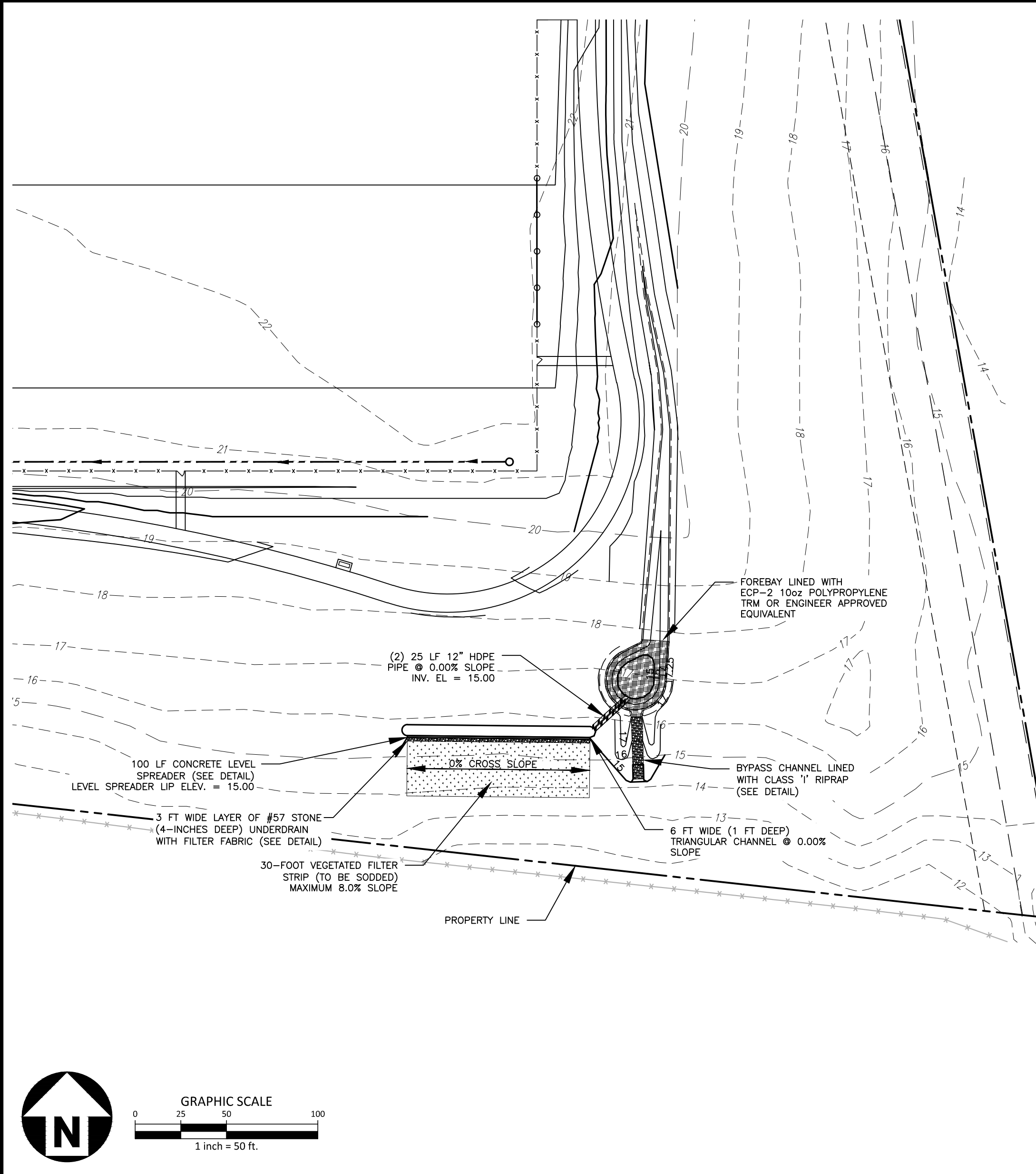
SIGNATURE: _____

PRINTED NAME AND TITLE: _____

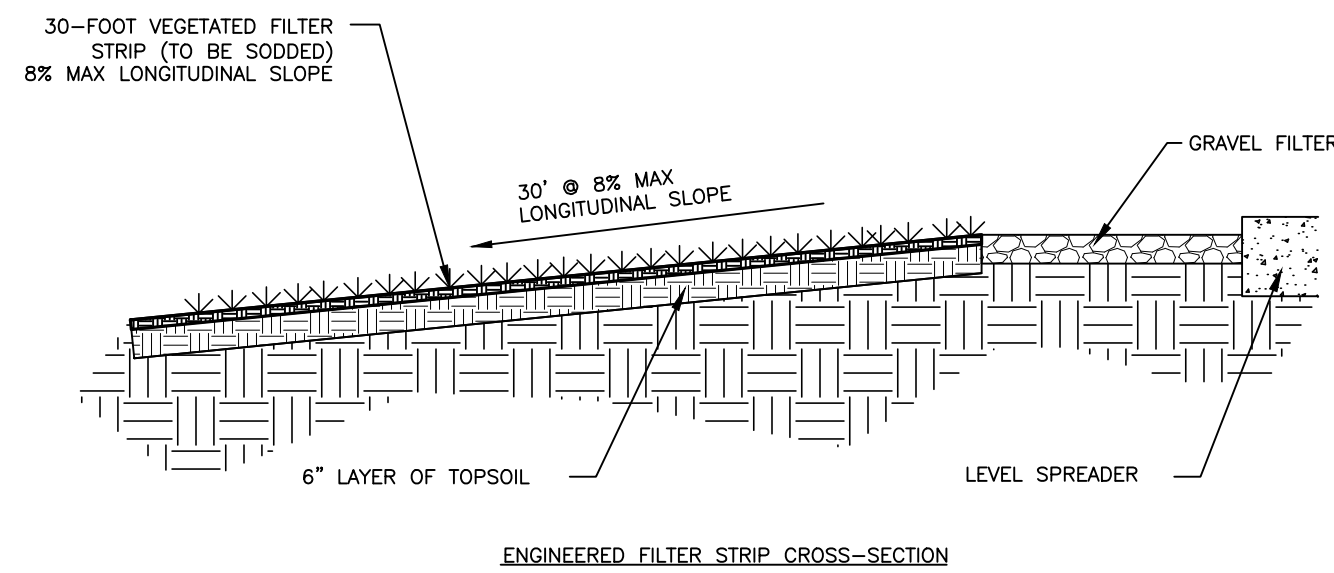
DATE: _____



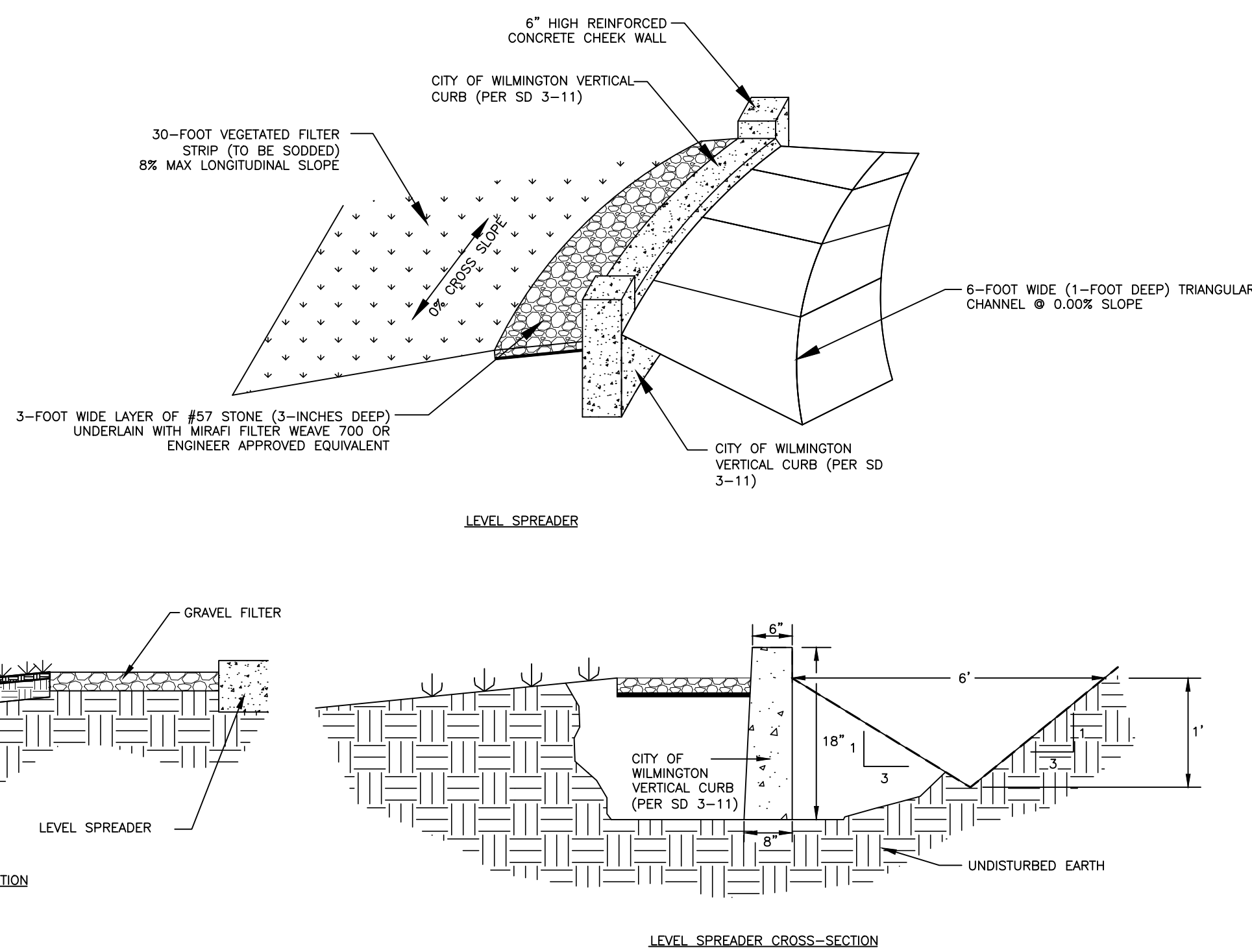
SCM A LEVEL SPREADER
1" = 50'



SCM B LEVEL SPREADER
1" = 50'



ENGINEERED FILTER STRIP CROSS-SECTION



LEVEL SPREADER CROSS-SECTION

LEVEL SPREADER-ENGINEERED FILTER STRIP DETAILS
N.T.S.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-SW
CHECKED BY JES
DRAWN BY HBD
SCALE N.T.S.
DATE 11.11.20

SHEET

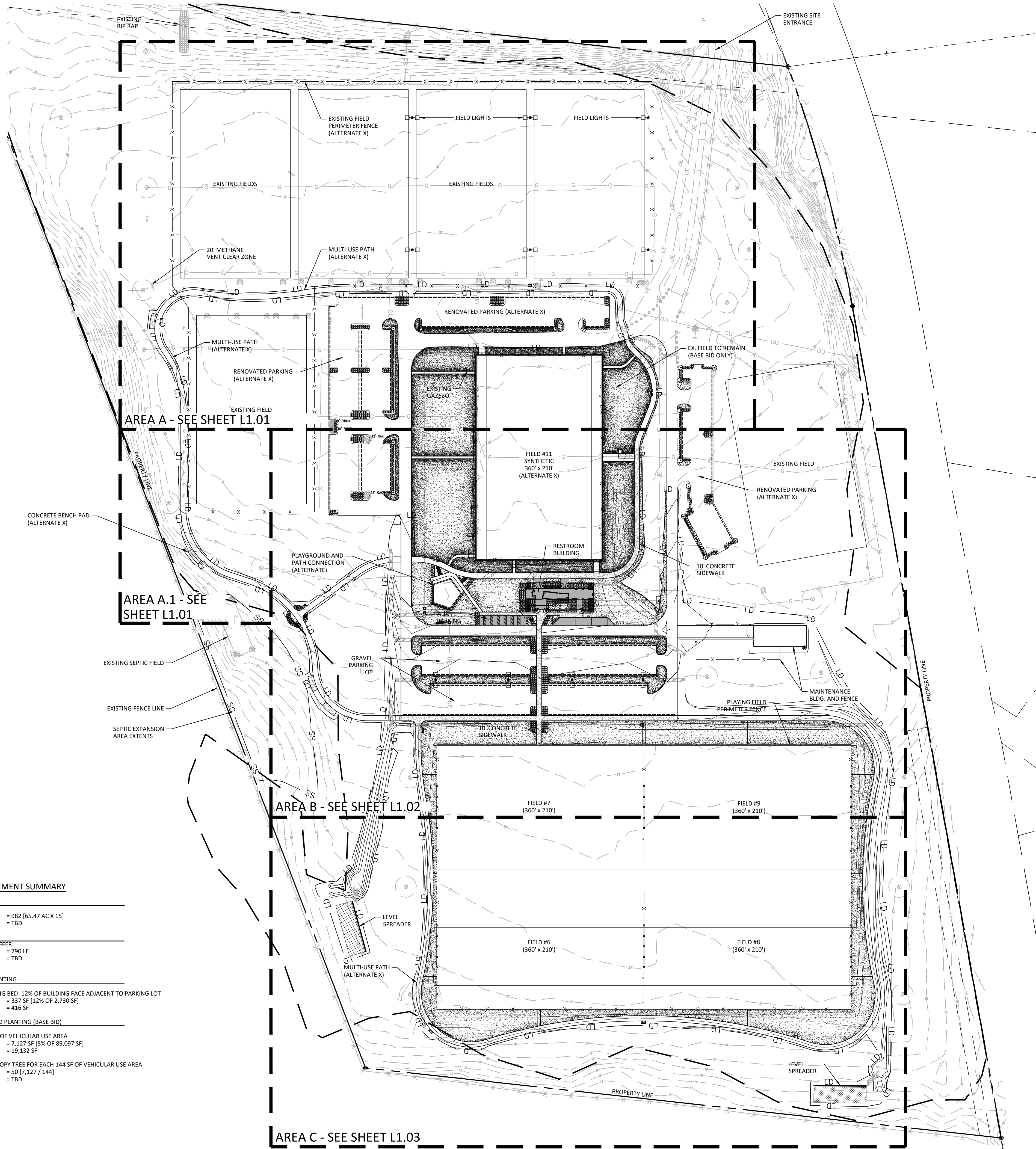
STORMWATER CONTROL
MEASURE PLAN & DETAILS

C10.00

X:\Projects\Shared\WLM\WLM-17000\04-Production\Engineering\Construction Drawings\WLM17000-L1.dwg, 11/21/2020 3:23:06 PM, Jenkins, Garrett

LANDSCAPE REQUIREMENT SUMMARY

TOTAL TREES REQUIRED	
15 TREES PER 1 ACRE	
REQUIRED:	= 982 [65.47 AC X 15]
PROVIDED:	= TBD
LANDSCAPE BUFFER	
20' WIDE, 100% OPACITY BUFFER	
REQUIRED:	= 790 LF
PROVIDED:	= TBD
BUILDING FOUNDATION PLANTING	
FOUNDATION PLANTING BED: 12% OF BUILDING FACE ADJACENT TO PARKING LOT	
REQUIRED:	= 337 SF [12% OF 2,730 SF]
PROVIDED:	= 416 SF
INTERIOR LANDSCAPE ISLAND PLANTING (BASE BID)	
LANDSCAPE AREA: 8% OF VEHICULAR USE AREA	
REQUIRED:	= 7,127 SF [8% OF 89,097 SF]
PROVIDED:	= 15,132 SF
CANOPY TREES: 1 CANOPY TREE FOR EACH 144 SF OF VEHICULAR USE AREA	
REQUIRED:	= 50 [7,127 / 144]
PROVIDED:	= TBD

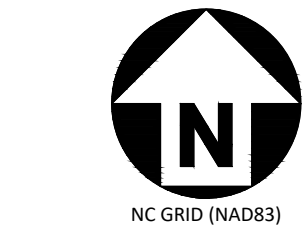


SITE LEGEND	
	SIGNAGE
	YARD LIGHTS
	LIGHT POLE
	POWER POLE
	TRAFFIC DIRECTIONAL ARROW
	ACCESSIBLE PARKING STALL
	VAN ACCESSIBLE PARKING STALL
	PROPERTY LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE
	CENTERLINE
	EXISTING CHAINLINK FENCE
	PROPOSED FENCE
	ACCESSIBLE ROUTE
	PROPOSED GRAVEL DRIVE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
	PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)
	METHANE VENT AND 20' CLEAR ZONE
NIC = NOT IN CONTRACT	

NOTES

1. SEE SHEET L2.00 FOR LANDSCAPE NOTES, PLANT SCHEDULE, AND LANDSCAPE DETAILS.

PLANT LEGEND	
ORNAMENTAL TREE	COMMON NAME
	Chaste Tree
SHRUBS	COMMON NAME
	Butterfly Bush
	Andorra Juniper
	Pixie Loropetalum
	Dwarf Variegated Pittosporum
ORNAMENTAL GRASSES	COMMON NAME
	Katrinus Deluxe Mat Rush
	Shenandoah Switch Grass
GROUND COVERS	COMMON NAME
	Bermuda 419
	Brown Eyed Susan
	Autumn Jay Sedum
	Delaware Chalet River Rock

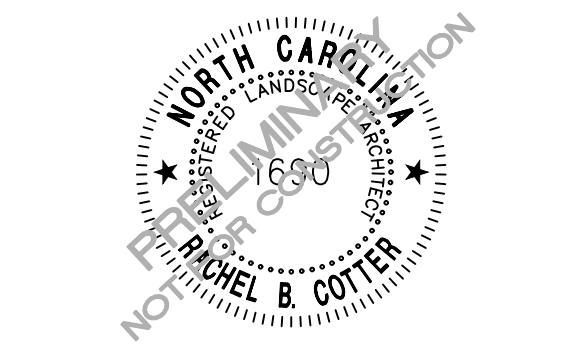


McADAMS
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS	
NO.	DATE

PLAN INFORMATION	
PROJECT NO.	WLM-17000
FILENAME	WLM17000-L51
CHECKED BY	-
DRAWN BY	GLJ
SCALE	SEE DRAWINGS
DATE	11.11.20
SHEET	
OVERALL LANDSCAPE PLAN	
L1.00	



McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

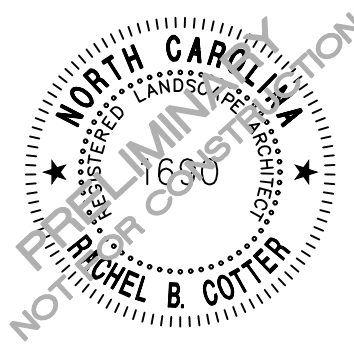
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

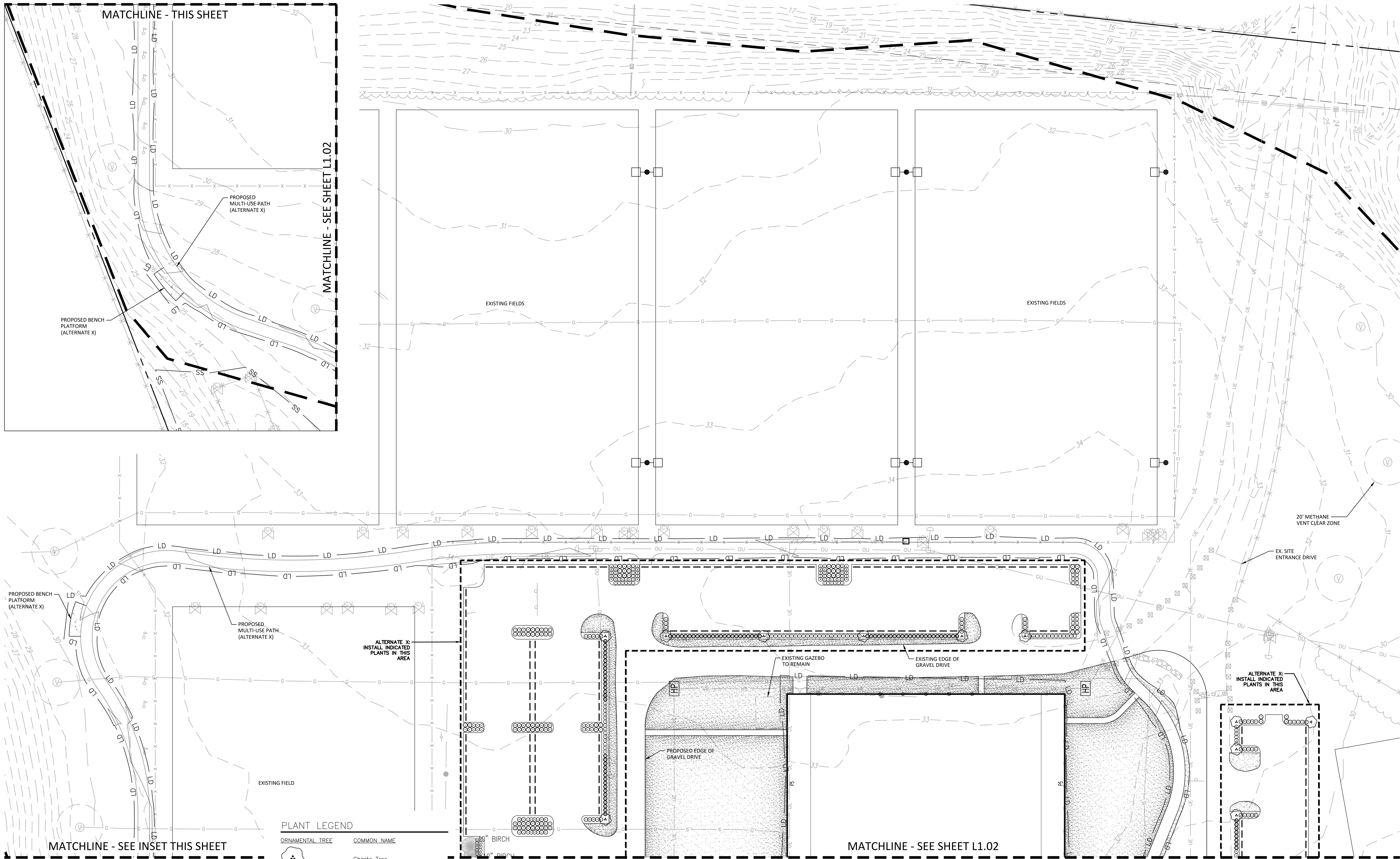
PLAN INFORMATION

PROJECT NO. WLM-17000
FILENAME WLM17000-L51
CHECKED BY -
DRAWN BY GLJ
SCALE SEE DRAWINGS
DATE 11.11.20

SHEET

AREA 'A'
LANDSCAPE PLAN

L1.01

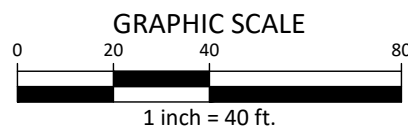


PLANT LEGEND

ORNAMENTAL TREE	COMMON NAME
	Chaste Tree
SHRUBS	COMMON NAME
	Butterfly Bush
	Andorra Juniper
	Pixie Loropetalum
	Dwarf Variegated Pittosporum
ORNAMENTAL GRASSES	COMMON NAME
	Katrinus Deluxe Mat Rush
	Shenandoah Switch Grass
GROUND COVERS	COMMON NAME
	Centipede Sod

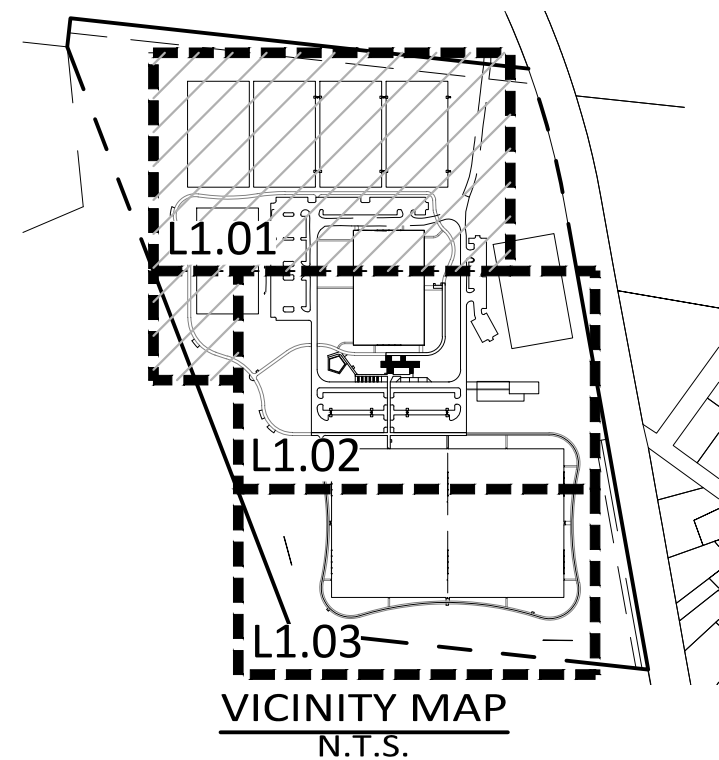
SITE LEGEND

	SIGNAGE
	YARD LIGHTS
	LIGHT POLE
	POWER POLE
	TRAFFIC DIRECTIONAL ARROW
	ACCESSIBLE PARKING STALL
	VAN ACCESSIBLE PARKING STALL
	PROPERTY LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE
	CENTERLINE
	EXISTING CHAINLINK FENCE
	PROPOSED FENCE
	ACCESSIBLE ROUTE
	PROPOSED GRAVEL DRIVE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
	METHANE VENT AND 20' CLEAR ZONE
	NIC = NOT IN CONTRACT



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Project\3_Shared\WLM\WLM-17000\04-Production\Engineering\Construction Drawings\Current Drawings\WLM17000-L51.dwg, 11/21/2020 3:23:16 PM, Jenkins, Garrett

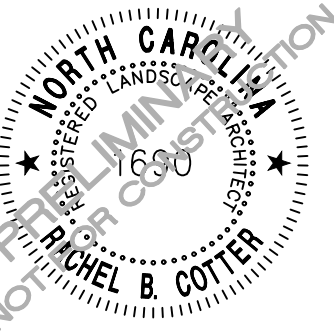


CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

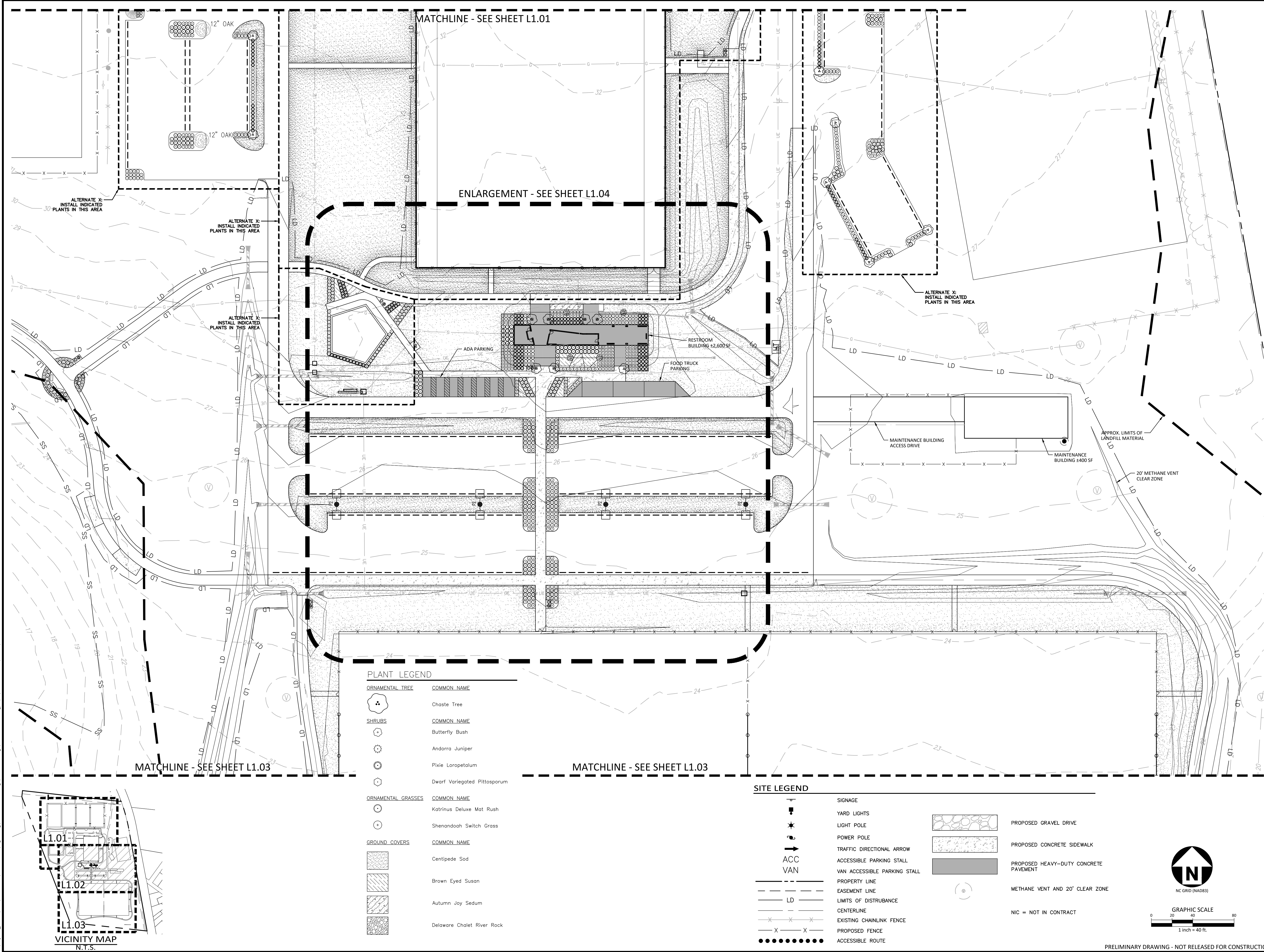
NO.	DATE
-----	------

PLAN INFORMATION

PROJECT NO.	WLM-17000
FILENAME	WLM17000-L1
CHECKED BY	-
DRAWN BY	GLJ
SCALE	SEE DRAWINGS
DATE	11.11.20

SHEET

AREA 'B'
LANDSCAPE PLAN
L1.02





McAdams

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

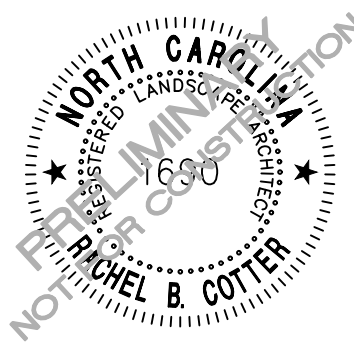
www.mcadamsco.com

CLIENT

CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS

NO. DATE

PLAN INFORMATION

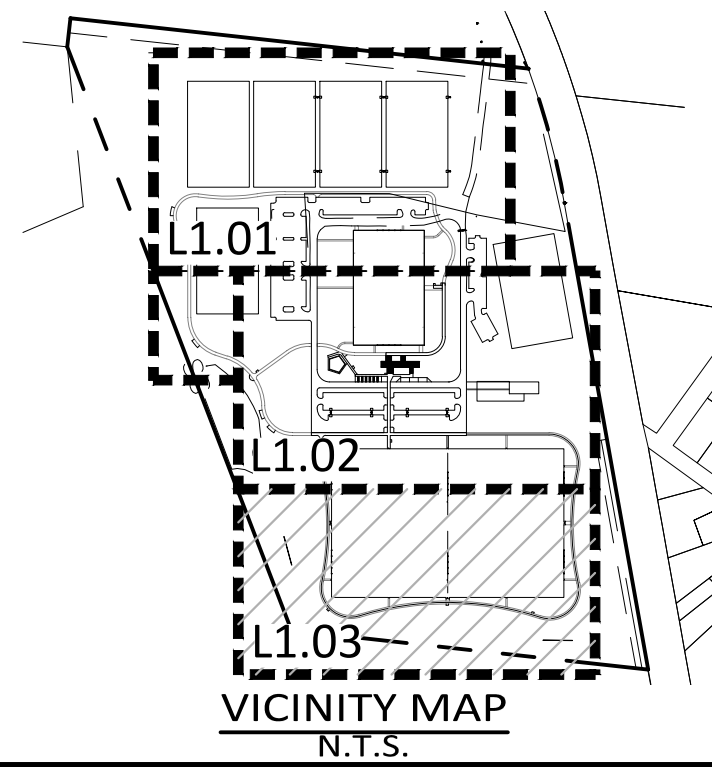
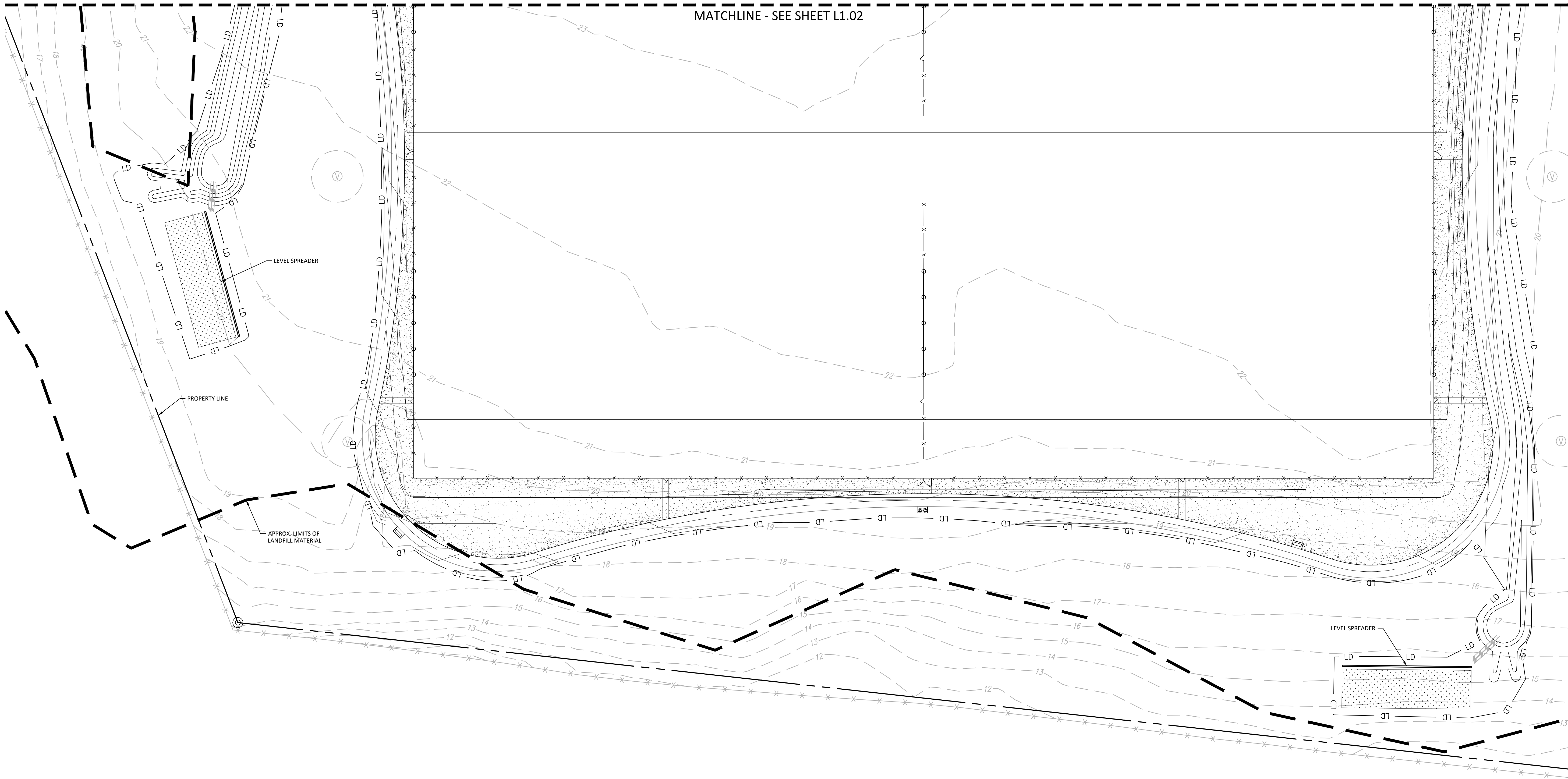
PROJECT NO. WLM-17000
FILENAME WLM17000-L51
CHECKED BY -
DRAWN BY GLJ
SCALE SEE DRAWINGS
DATE 11.11.20

SHEET

AREA 'B'
LANDSCAPE PLAN

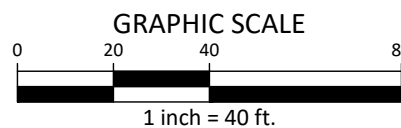
L1.03

MATCHLINE - SEE SHEET L1.02



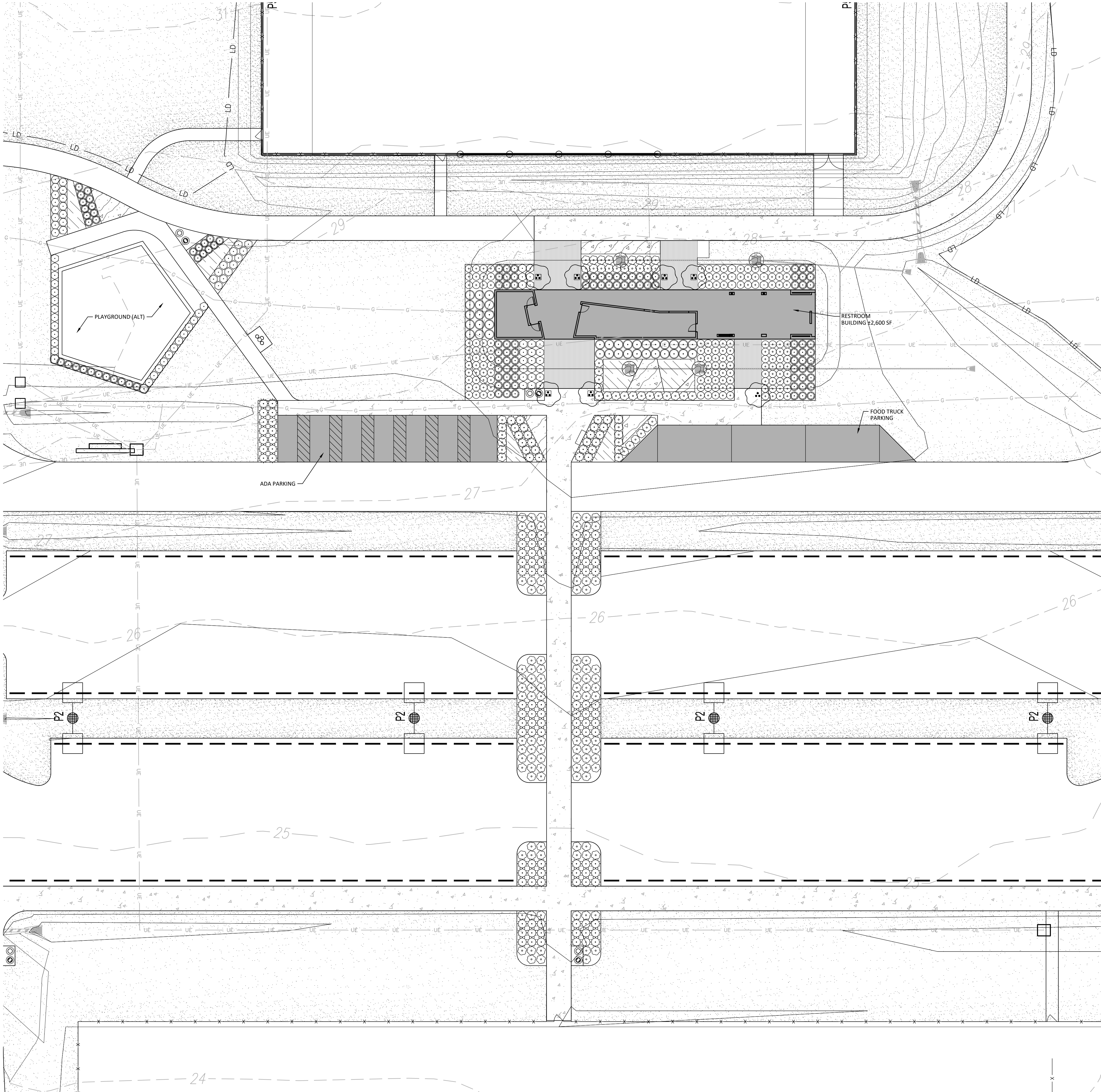
SITE LEGEND

	SIGNAGE		PROPOSED GRAVEL DRIVE
	YARD LIGHTS		PROPOSED CONCRETE SIDEWALK
	LIGHT POLE		PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
	POWER POLE		METHANE VENT AND 20' CLEAR ZONE
	TRAFFIC DIRECTIONAL ARROW		NIC = NOT IN CONTRACT
	ACCESSIBLE PARKING STALL		
	VAN ACCESSIBLE PARKING STALL		
	PROPERTY LINE		
	EASEMENT LINE		
	LIMITS OF DISTURBANCE		
	CENTERLINE		
	EXISTING CHAINLINK FENCE		
	PROPOSED FENCE		
	ACCESSIBLE ROUTE		



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

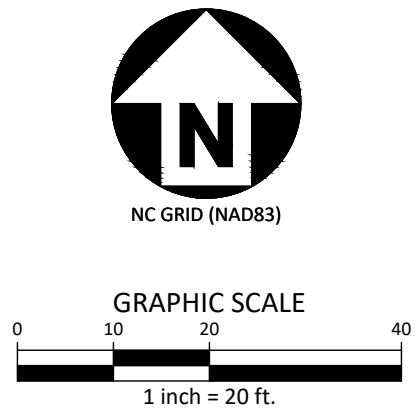
X:\Project\1_Shared\WLM\17000\04-Production\Engineering\Construction Drawings\WLM17000-L1.dwg, 11/23/2020 3:23:38 PM, Jenkins, Garrett



SITE LEGEND	
	SIGNAGE
	YARD LIGHTS
	LIGHT POLE
	POWER POLE
	TRAFFIC DIRECTIONAL ARROW
	ACCESSIBLE PARKING STALL
	VAN ACCESSIBLE PARKING STALL
	PROPERTY LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE
	CENTERLINE
	EXISTING CHAINLINK FENCE
	PROPOSED FENCE
	ACCESSIBLE ROUTE
	PROPOSED GRAVEL DRIVE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
	PROPOSED GRAVEL MULTI-USE PATH (ALTERNATE X)
	METHANE VENT AND 20' CLEAR ZONE
NIC = NOT IN CONTRACT	

- NOTES**
- SEE SHEET L2.00 FOR LANDSCAPE NOTES, PLANT SCHEDULE, AND LANDSCAPE DETAILS.

PLANT LEGEND	
ORNAMENTAL TREE	COMMON NAME
	Chaste Tree
SHRUBS	COMMON NAME
	Butterfly Bush
	Andorra Juniper
	Pixie Loropetalum
	Dwarf Variegated Pittosporum
ORNAMENTAL GRASSES	COMMON NAME
	Katrinus Deluxe Mat Rush
	Shenandoah Switch Grass
GROUND COVERS	COMMON NAME
	Centipede Sod
	Brown Eyed Susan
	Autumn Joy Sedum
	Delaware Chalet River Rock



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

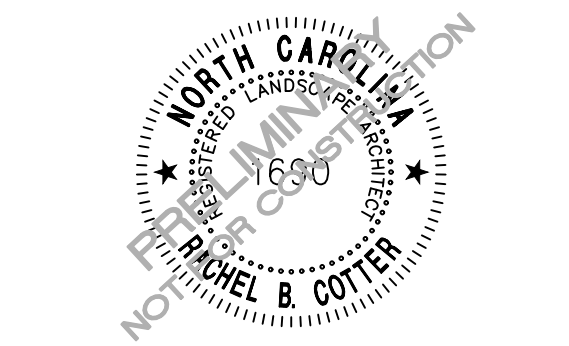


McADAMS
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
CITY OF WILMINGTON
305 CHESTNUT STREET, 5TH FLOOR
WILMINGTON, NC 28402
PHONE: 910. 341. 7830



REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



REVISIONS	
NO.	DATE
PLAN INFORMATION	
PROJECT NO.	WLM-17000
FILENAME	WLM17000-L1
CHECKED BY	-
DRAWN BY	GLJ
SCALE	SEE DRAWINGS
DATE	11.11.20
SHEET	
ENLARGEMENT LANDSCAPE PLAN L1.04	



phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C

CLIENT



CITY OF
WILMINGTON
NORTH CAROLINA

REGIONAL ATHLETIC COMPLEX
60% CONSTRUCTION DRAWINGS
205 SUTTON STEAM PLANT ROAD
WILMINGTON, NC 28401



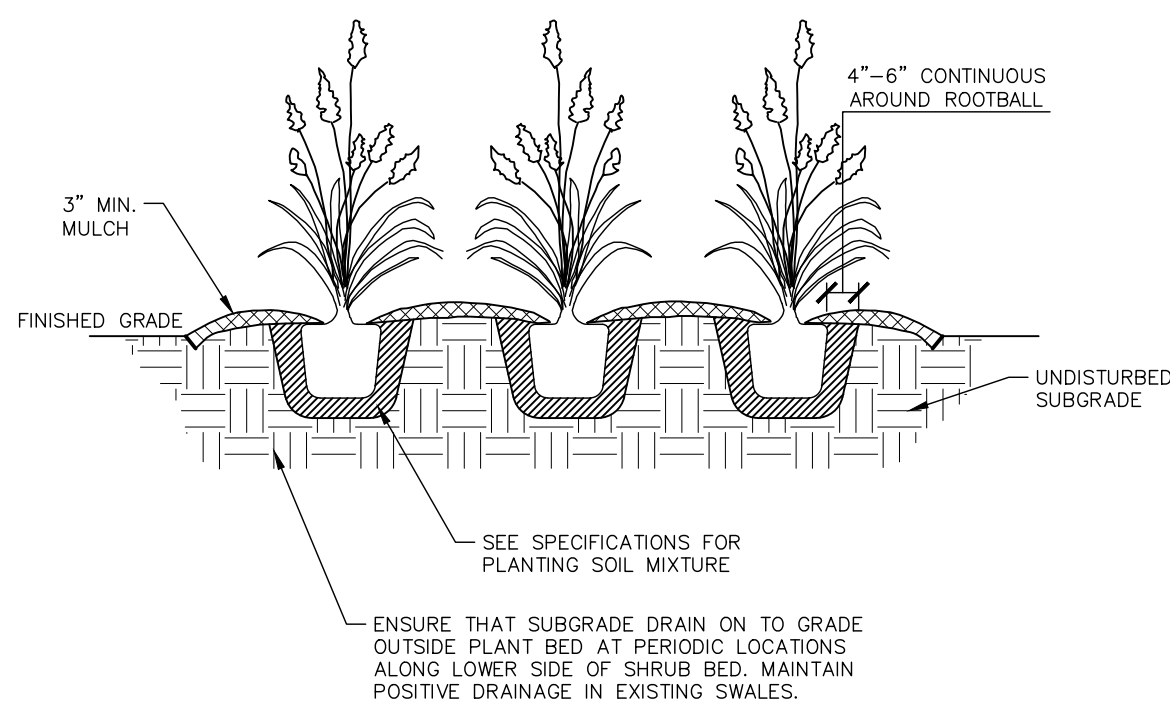
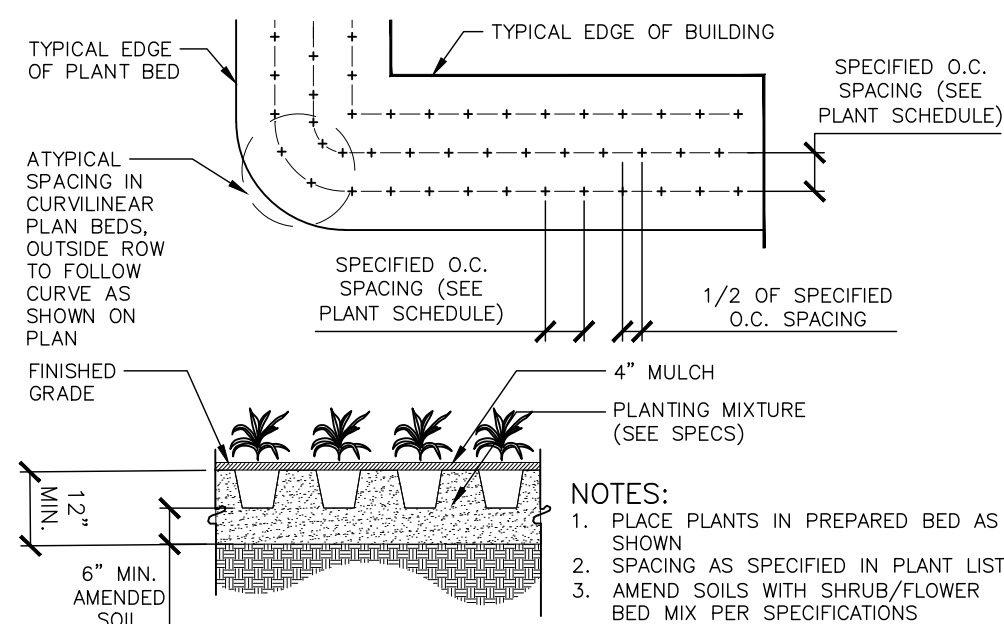
NO.	DATE
-----	------

PLAN INFORMATION

SHEET

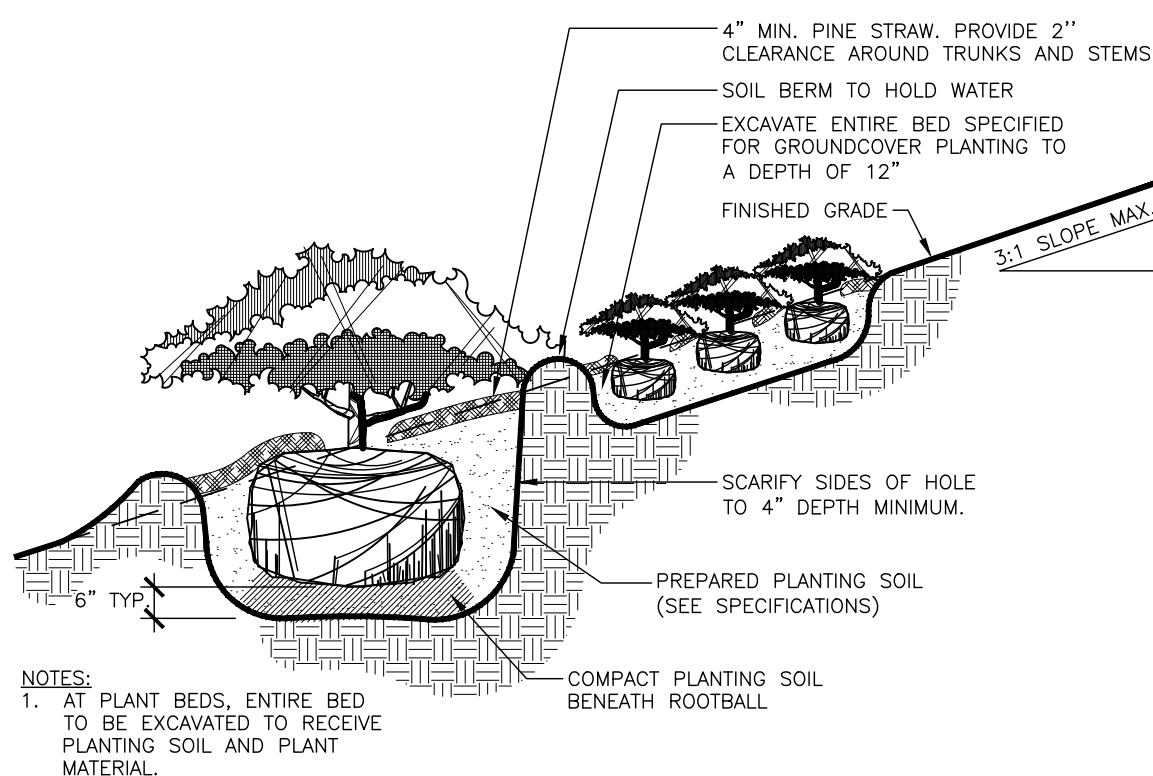
LANDSCAPE DETAILS SCHEDULE + NOTES

L2.00



01 SHRUB INSTALLATION

SCALE: 3/8"=1'-0'



04 SHRUB INSTALLATION ON SLOPE

SCALE: 3/4"=1'-0'

02 GROUND COVER INSTALLATION

SCALE: 3/8"=1'-0'












LANDSCAPE NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH NEW HAVEN COUNTY AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR THE SITE INSPECTION BEFORE LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS.
3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE BEGINNING DEMOLITION OR INSTALLATION.
4. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE NOTES, SPECIFICATIONS, DRAWINGS OR SITE CONDITIONS FOR RESOLUTION PRIOR TO INSTALLATION.
5. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION REGARDING BUILDINGS, GRADING, WALLS, ETC., REFER TO ARCHITECTURE, SITE AND GRADING PLANS.
7. VERIFICATION OF TOTAL PLANT QUANTITIES AS SHOWN IN THE PLANT SCHEDULE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
8. CONTRACTOR TO ENSURE PROPER STABILIZATION AND SEEDING OF THE SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
9. LANDSCAPE MATERIAL SHALL BE WELL-FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TIPS DEFINED IN VARIETIES SPECIFIED AND SHALL BE FREE FROM DAMAGE, INSECTS AND DISEASES. MATERIAL SHALL EQUAL OR SURPASS #1 QUALITY AS SPECIFIED IN THE CURRENT ISSUE OF "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
10. ALL PLANT MATERIAL IS TO BE CAREFULLY HANDLED BY THE ROOT BALL, NOT THE TRUNK, BRANCHES AND/OR FOLIAGE OF THE PLANT. MISHANDLED PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT.
11. ALL PLANT MATERIAL IS TO BE WELL ROOTED, NOT ROOT BOUND, NOT THE ROOT BALL REMAINS INTACT THROUGHOUT THE PLANTING PROCESS. DEFICIENT PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
12. ALL PLANTS TO BE A MINIMUM OF WHAT IS SPECIFIED IN THE PLANT SCHEDULE. ANY CHANGES OR SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND GOVERNING JURISDICTION PRIOR TO ANY HOLE BEING DUG.
13. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT TO ESTABLISH THE EXTENTS OF MULCH/SEED/SOD IF NOT SPECIFICALLY SHOWN ON PLANS.
14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL PLANTING AREAS.
15. PROPOSED TREES TO BE PLANTED A MINIMUM 10 FEET FROM ANY LIGHT POLE AS MEASURED FROM TRUNK OF THE TREE TO THE POLE.
16. PROPOSED TREES TO BE PLANTED A MINIMUM 5 FEET FROM ANY FIRE HYDRANT AS MEASURED FROM TRUNK OF THE TREE TO THE HYDRANT.
17. CONTRACTOR SHALL COMPLETE SOIL TEST IN ALL PLANTING AREAS TO DETERMINE SOIL AMENDMENT REQUIREMENTS UNLESS WAIVED BY OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ADJUST PH AND FERTILITY BASED UPON THE SOIL TEST RESULTS.
18. TOPSOIL SHALL BE FREE OF MATERIAL LARGER THAN 1.0 INCH IN DIAMETER OR LENGTH AND SHALL NOT CONTAIN SLAG, CINDERS, STONES, LUMPS OF SOIL, STICKS, ROOTS, TRASH, OR OTHER EXTRANEOUS MATERIAL.
19. LOOSEN SUBGRADE / SURFACE SOIL TO A MINIMUM DEPTH OF 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS AS REQUIRED BY THE SOIL TEST RESULTS TO ACHIEVE A HEALTHY GROWING MEDIA AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. SPREAD PLANTING SOIL MIX TO A DEPTH OF 6 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
20. IF IMPORTED TOPSOIL IS REQUIRED, THE SUBGRADE SHALL BE SCARIFIED OR TILLED TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO INSTALLATION OF IMPORTED TOPSOIL. FOLLOWING INSTALLATION OF IMPORTED TOPSOIL, THE TOPSOIL SHALL BE TILLED TO INTEGRATE THE SOIL PROFILES.
21. PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF 12 MONTHS. PLANT MATERIALS WHICH REMAIN UNHEALTHY WILL BE REPLACED BY THE LANDSCAPE CONTRACTOR BEFORE THE EXPIRATION OF THE GUARANTEE PERIOD OR IMMEDIATELY IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
22. ALL TREE PLANTINGS SHALL BE MULCHED TO A DEPTH OF 3 INCHES, AND WITH A MINIMUM 3 FOOT RADIUS FROM BASE OF TREE OR TO DRUPLINE. MULCH SHALL BE FREE OF TRASH AND MAINTAINED WEED FREE. MULCH SHALL NOT COVER THE ROOT FLARE. CONFIRM MULCH SPECIFICATIONS WITH OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
23. DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, AND OTHER HANDLING AND TYING DAMAGE. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXTERIOR PLANTS DURING DELIVERY. DO NOT DROP EXTERIOR PLANTS DURING DELIVERY AND HANDLING.
24. DELIVER EXTERIOR PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IMMEDIATELY AFTER UNLOADING, STAND THE TREES UP TO REDUCE THE RISK OF SUN SCALD. PROPERLY STAGED TREES ARE STANDING, UNITED AND SPACED. UNLESS IMMEDIATELY INSTALLED, SET EXTERIOR PLANTS AND TREES IN SHADE. PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.
25. SEE LANDSCAPE DETAILS FOR TREE STAKING REQUIREMENTS.
26. EXCAVATE EDGES OF ALL PLANTING BEDS TO 2 INCH DEPTH TO FORM A NEAT AND CRISP DEFINITION.
27. CONTRACTOR SHALL REMOVE DEBRIS AND FINE GRADE ALL PLANTING AREAS PRIOR TO INSTALLATION.
28. REMOVE GUY WIRES AND STAKES AT END OF WARRANTY PERIOD OR ESTABLISHMENT.
29. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISHED GRADING TO AREAS THAT CAN BE PLANTED IN IMMEDIATE FUTURE.












03 ORNAMENTAL GRASS INSTALLATION

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

OVERALL PLANT SCHEDULE

ORNAMENTAL TREE	CODE	QTY	COMMON / BOTANICAL NAME	CAL	HEIGHT
	VACA	25	Chaste Tree / Vitex agnus-castus 'Shoal Creek' Planters	Multi	6' min
SHRUBS	CODE	QTY	COMMON / BOTANICAL NAME	HEIGHT	SPACING
	BDBB	200	Butterfly Bush / Buddleja davidii	18" min	
	JHAN	300	Andorra Juniper / Juniperus horizontalis 'Andorra'	12" min	
	LCRP	237	Pixie Loropetalum / Loropetalum chinense rubrum 'Pixie'	18" min	
	PTDV	279	Dwarf Variegated Pittosporum / Pittosporum tobira 'Dwarf Variegata'	18" min	
ORNAMENTAL GRASSES	CODE	QTY	COMMON / BOTANICAL NAME	HEIGHT	SPACING
	LLKD	118	Katrinus Deluxe Mat Rush / Lomandra longifolia 'Katrinus Deluxe'	24" min	
	PVSG	189	Shenandoah Switch Grass / Panicum virgatum 'Shenandoah'	18" min	
GROUND COVERS	CODE	QTY	COMMON / BOTANICAL NAME	CONT	HEIGHT
	EROP	226,042 sf	Centipede Sod / Eremochloa ophiuroides	Sod	
	RTBS	685	Brown Eyed Susan / Rudbeckia triloba	4" pot	
	SEAJ	658	Autumn Joy Sedum / Sedum x 'Autumn Joy'	4" pot	
	SMDR	113 sf	Delaware Chalet River Rock / Stone Mulch	Stone	

BASE BID PLANT SCHEDULE

ORNAMENTAL TREE	CODE	QTY	COMMON / BOTANICAL NAME	CAL	HEIGHT
	VACA	7	Chaste Tree / Vitex agnus-castus 'Shoal Creek'	Multi	6' min
SHRUBS	CODE	QTY	COMMON / BOTANICAL NAME	HEIGHT	SPACING
	BOBB	154	Butterfly Bush / Buddleja davidii	18" min	
	JHAN	128	Andorra Juniper / Juniperus horizontalis 'Andorra'	12" min	
	LCRP	80	Pixie Loropetalum / Loropetalum chinense rubrum 'Pixie'	18" min	
	PTDV	30	Dwarf Variegated Pittosporum / Pittosporum tobira 'Dwarf Variegata'	18" min	
ORNAMENTAL GRASSES	CODE	QTY	COMMON / BOTANICAL NAME	HEIGHT	SPACING
	LLKD	37	Katrinus Deluxe Mat Rush / Lomandra longifolia 'Katrinus Deluxe'	24" min	
	PVSG	144	Shenandoah Switch Grass / Panicum virgatum 'Shenandoah'	18" min	
GROUND COVERS	CODE	QTY	COMMON / BOTANICAL NAME	SPACING	
	EROP	126,777 sf	Centipede Sod / Eremochloa ophiuroides		
	RTBS	466	Brown Eyed Susan / Rudbeckia triloba	12" o.c.	
	SEAJ	527	Autumn Joy Sedum / Sedum x 'Autumn Joy'	12" o.c.	
	SMDR	113 sf	Delaware Chalet River Rock / Stone Mulch		

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION