

CIVIL ENGINEER

Rivers & Associates, Inc.
Greenville, NC



107 East Second Street
Greenville, NC 27858
(252) 752-4135

Contact: Dwight Vernelson, PE
dvernelson@riversandassociates.com

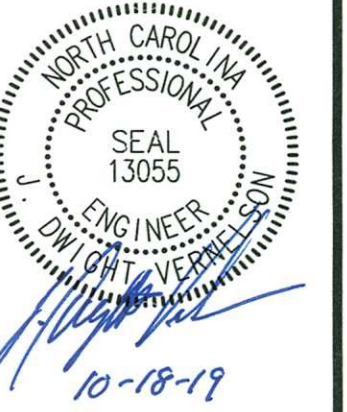
OWNER/DEVELOPER

City of Greenville
Greenville, NC



City of Greenville - Recreation & Parks
Jaycee Park
2000 Cedar Lane
Greenville, NC 27835
(252) 329-4567

Contact: Mike Watson - Parks Coordinator
(252) 329-4539



BOYD LEE PARK SAND VOLLEYBALL COURTS

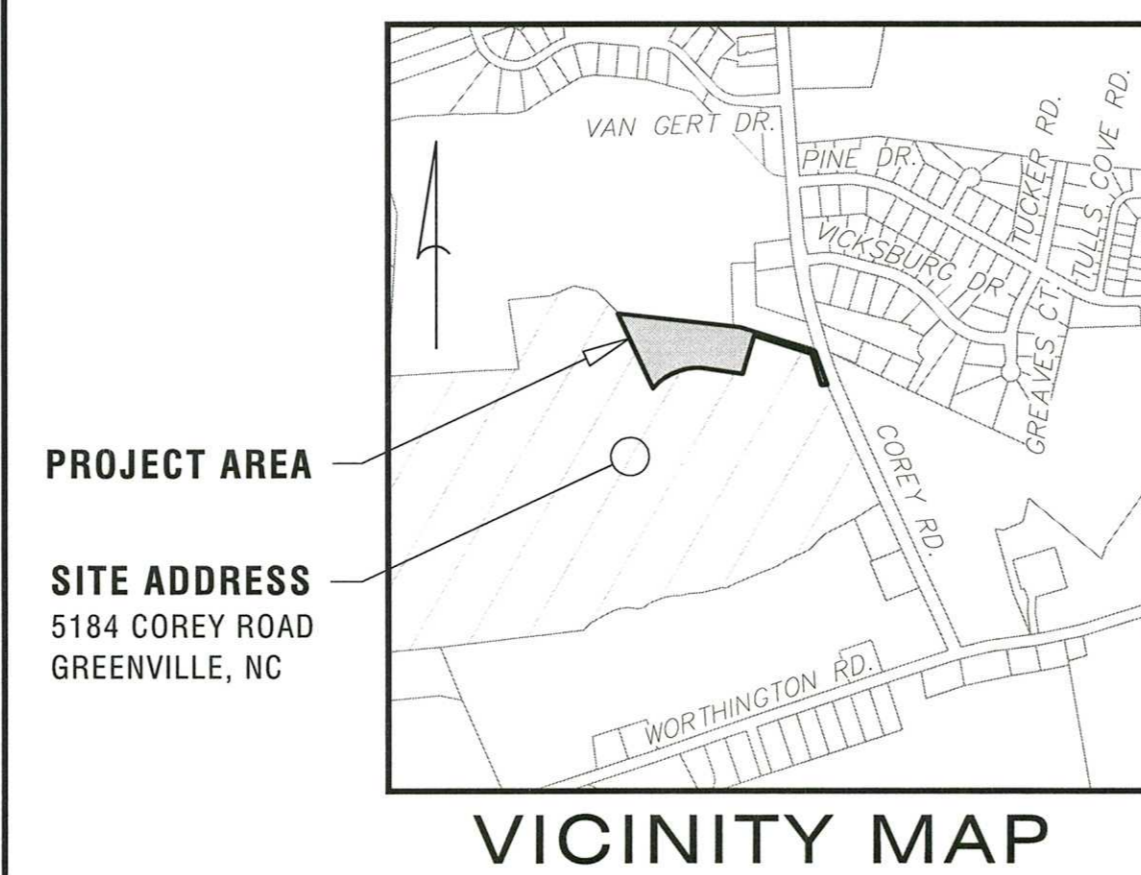
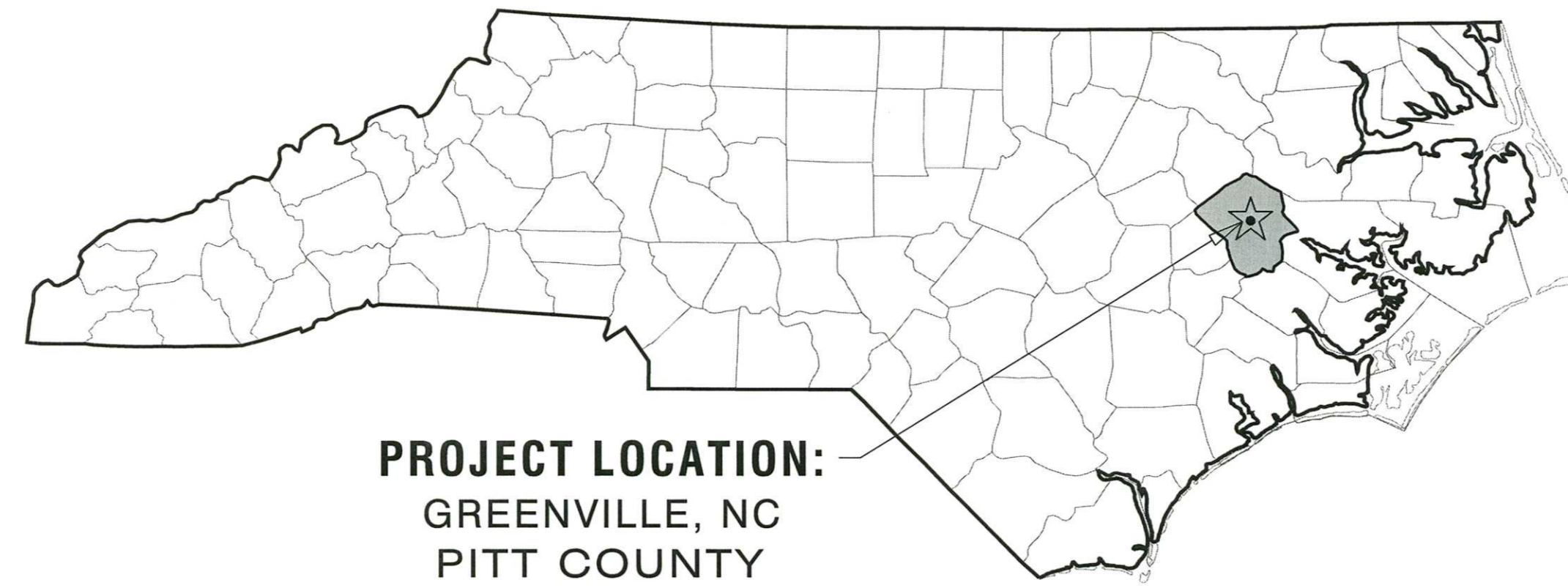
City of Greenville

REVISIONS:		
NO.	DESCRIPTION	DATE (BY)

GENERAL NOTES:

1. THE PURPOSE OF THIS PLAN IS TO ILLUSTRATE PROPOSED IMPROVEMENTS ASSOCIATED WITH NEW SAND VOLLEYBALL RECREATIONAL AMENITY AT BOYD LEE PARK.
2. THE TOPOGRAPHIC SURVEY AND GRADING/DRAINAGE PLANS SHOW THE AFFECTED AREA AND DOES NOT INCLUDE THE ENTIRE PARCEL.
3. WATER TAP AND METER/BOX PROVIDED BY GREENVILLE UTILITIES COMMISSION AND COORDINATED BY OWNER INCLUDING PAYMENT OF FEES.
4. CONTACT NORTH CAROLINA ONE-CALL CENTER, INC. (NC811) TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
5. PROPOSED ELECTRIC UTILITIES SHALL BE INSTALLED UNDERGROUND.
6. SOIL EROSION AND SEDIMENTATION CONTROL PLAN APPROVAL BY THE CITY ENGINEER IS REQUIRED PRIOR TO THE INITIATION OF ANY LAND DISTURBING ACTIVITIES.
7. ACCESS TO PUBLIC UTILITIES MUST BE MADE AVAILABLE AT ALL TIMES.

SITE DATA	
SITE ADDRESS:	Boyd Lee Park 5184 Corey Road Greenville, NC 27858
CURRENT ZONING:	RA20
PARCEL NUMBER:	25796
TOTAL ACREAGE IN PARCEL:	90.38 acres (Pitt Co. OPIS)
PROJECT LIMITS:	43,527 SF (0.99 AC)



SHEET INDEX	
#	Description
C1	Cover
C2	Topographic Survey
C3	Demolition & Erosion Control
C4	Site Plan
C5	Grading & Drainage Plan
C6	Volleyball Court Details
C7	Fence Details
C8	Miscellaneous Details
E1	Electrical - Site Plan
E2	Electrical - One-Line Diagram & Details

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
CITY OF GREENVILLE ~ PITT COUNTY ~ NORTH CAROLINA
COVER

DATE: October 18, 2019
DESIGNED BY: MEG
DRAWN BY: LC
CHECKED BY: MEG/JDV
PROJECT No. 2017115.12
DRAWING No. W-3845-CD
SCALE: AS NOTED
SHEET No.

P:\MUNICIPAL\2017\BOYD LEE PARK VOLLEYBALL COURTS\DRAWING\REVISED - C1 COVER - 10/18/19\1152013.MXD - JEE CHRISTIAN

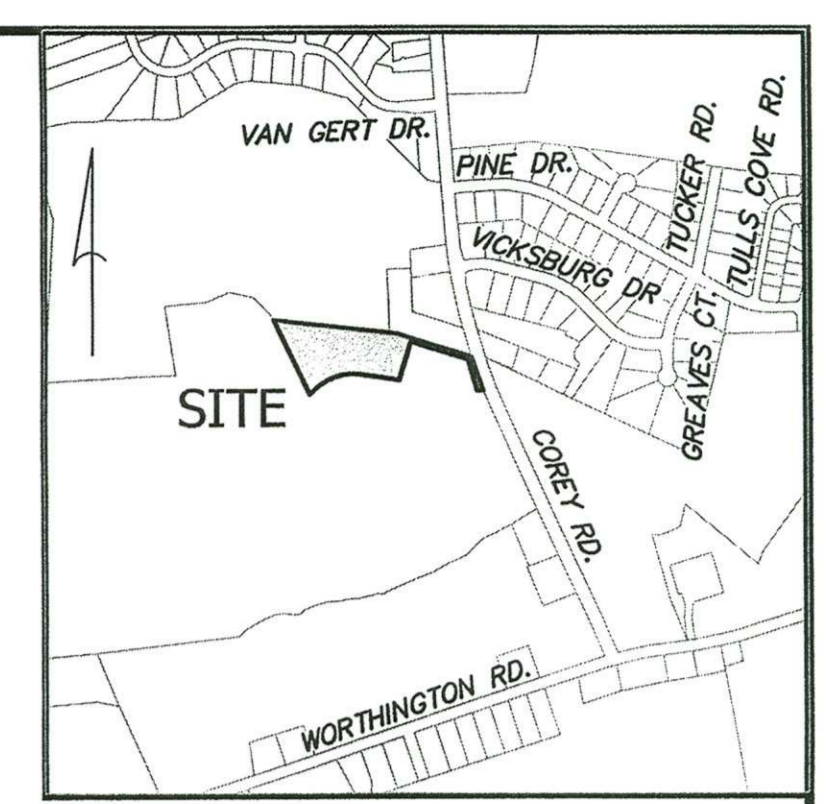
NOGRID NAD83/2011
C.F. 0.9998818730232

N/F
SAWYER'S PROPERTY
MANAGEMENT GROUP, LLC
D.B. 3505, PG. 590
M.B. 81 PG. 10
P.N. 83408

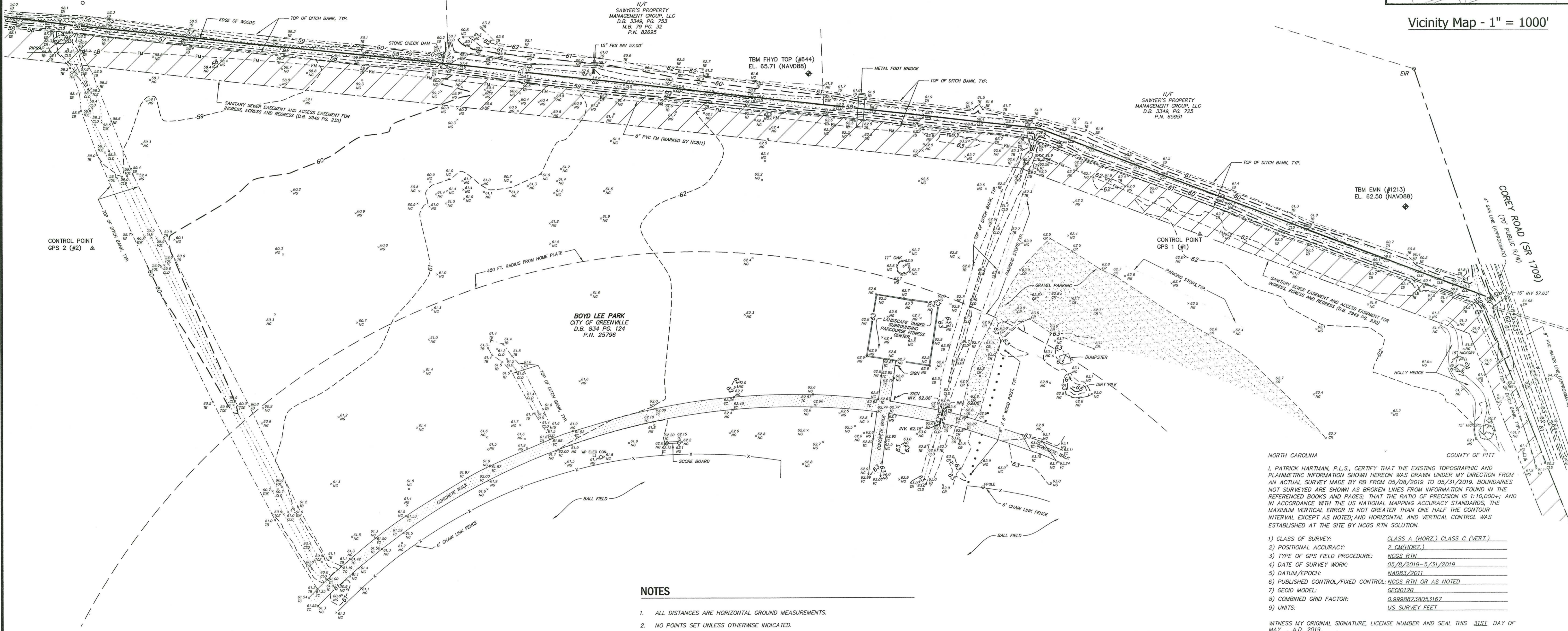
LEGEND

- | | | | | | | | |
|-------------------------|-----------------------------|-------------|---|--------|--------------------------|------|-----------------|
| --- 9 ---
--- 10 --- | CONTOURS | W/ ELEC CON | WOOD POST W/ ELECTRICAL CONNECTION | +50.0 | NATURAL GROUND | N/F | NOW OR FORMERLY |
| --- | RIGHT OF WAY | POLE | FOUL POLE | +50.9 | TOP OF BANK | TYP. | TYPICAL |
| - - - | EDGE OF CRUSHED STONE | INV. | INVERT | +50.9 | TOE OF BANK | | |
| - - - | TOP OF DITCH BANK | FHYD | FIRE HYDRANT | +50.00 | TOP OF CONCRETE | | |
| - - - | CENTERLINE OF DITCH | TCM | TEMPORARY BENCHMARK | +50.00 | CENTERLINE DITCH | | |
| - - - | TOE OF DITCH BANK | R/W | RIGHT OF WAY | +50.00 | TOP OF ASPHALT | | |
| - - - | CHAIN LINK FENCE | CP | CONCRETE PIPE | +50.00 | TOP OF CRUSHED ROCK | | |
| - - - | TAX PARCEL/DEED LINES | FES | FLARED END SECTION | +50.00 | PARCEL NUMBER | | |
| - - - | EDGE OF LANDSCAPING | EL | ELEVATION | M.B. | MAP BOOK | | |
| - - - | WOOD LINE | O | EXISTING IRON ROD (EIR) | D.B. | DEED BOOK | | |
| - - - | STORM DRAIN | W | WATER LINE (APPROXIMATE NOT MARKED BY NC81) | PG. | PAGE | | |
| - - - | FORCE MAIN (MARKED BY NC81) | G | GAS LINE (APPROXIMATE NOT MARKED BY NC81) | PVC | POLY-VINYL CHLORIDE PIPE | | |
| ◆ | CONTROL POINT | | | | | | |
| ○ | LIGHT POLE | | | | | | |

- CRUSHED STONE
RIPRAP
CONCRETE
SAN. SWR. & ACCESS EASEMENT



Vicinity Map - 1" = 1000'



NORTH CAROLINA COUNTY OF PITT
I, PATRICK HARTMAN, P.L.S., CERTIFY THAT THE EXISTING TOPOGRAPHIC AND PLANIMETRIC INFORMATION SHOWN HEREON WAS DRAWN UNDER MY DIRECTION FROM AN ACTUAL SURVEY MADE BY RB FROM 05/08/2019 TO 05/31/2019. BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM INFORMATION FOUND IN THE REFERENCED BOOKS AND PAGES; THAT THE RATIO OF PRECISION IS 1:10,000+; AND IN ACCORDANCE WITH THE US NATIONAL MAPPING ACCURACY STANDARDS, THE MAXIMUM VERTICAL ERROR IS NOT GREATER THAN ONE HALF THE CONTOUR INTERVAL EXCEPT AS NOTED; AND HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED AT THE SITE BY NCGS RTN SOLUTION.

- | | |
|-------------------------------------|---------------------------------|
| 1) CLASS OF SURVEY: | CLASS A (HORZ.) CLASS C (VERT.) |
| 2) POSITIONAL ACCURACY: | 2 CM(HORZ.) |
| 3) TYPE OF GPS FIELD PROCEDURE: | NCGS RTN |
| 4) DATE OF SURVEY WORK: | 05/8/2019-5/31/2019 |
| 5) DATUM/EPOCH: | NAD83/2011 |
| 6) PUBLISHED CONTROL/FIXED CONTROL: | NCGS RTN OR AS NOTED |
| 7) GEOID MODEL: | GEOID12R |
| 8) COMBINED GRID FACTOR: | 0.99988738053167 |
| 9) UNITS: | US SURVEY FEET |

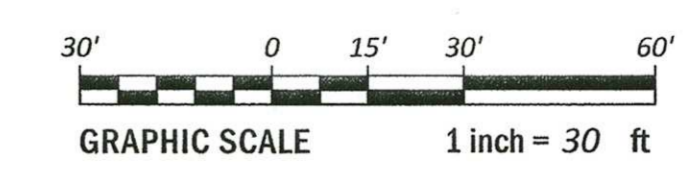
WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 31ST DAY OF MAY, A.D. 2019.
Patrick Hartman
 PROFESSIONAL LAND SURVEYOR LICENSE NO. L-4262

NOTES

- ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS.
- NO POINTS SET UNLESS OTHERWISE INDICATED.
- THIS PROPERTY IS LOCATED WITHIN A "ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AS DETERMINED FROM FIRM MAP NUMBER 3720468500K, EFFECTIVE JULY 7, 2014.
- ELEVATIONS AND CONTOURS SHOWN ARE BASED ON NAVD88 DATUM. VERTICAL CONTROL ESTABLISHED MULTIPLE RTN SOLUTION ON CONTROL POINTS.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT REPORT. RIVERS AND ASSOCIATES DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY OR MAY NOT AFFECT THIS PROPERTY ARE SHOWN HEREON.
- PROPERTY SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS OF WAY, RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD.
- UTILITIES: UNDERGROUND UTILITIES PLOTTED FROM PRIOR SURVEYS AND MAPS PROVIDED BY OTHERS AS NOTED. ACTUAL LOCATIONS MAY VARY. OTHER UTILITIES MAY EXIST. SURVEYOR CANNOT PROVIDE ACCURACY OF UNDERGROUND UTILITIES. CONTRACTOR SHOULD CONTACT NC811 AT 1-800-632-4949 TO HAVE UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING. NO NC811 TICKETS REQUESTED FOR THIS WORK. NC811 TICKET: A191281134.
- UTILITIES: THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN ARE COMPRISED OF ALL SUCH UTILITIES IN THE AREA OF SURVEY EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR DOES HEREBY CERTIFY THAT ALL UTILITIES ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY UNCOVERED AND LOCATED ANY UNDERGROUND UTILITIES.
- PIPE INVERTS SHOWN HEREON WERE OBTAINED WITHOUT CONFINED SPACE ENTRY BY THE MOST PRACTICAL METHODS AVAILABLE TO THE SURVEYOR.

REFERENCES

- MAP BOOK 33 PAGE 95
- MAP BOOK 79 PAGE 32
- MAP BOOK 81 PAGE 10
- DEED BOOK 834 PAGE 124
- DEED BOOK 2942 PAGE 230
- DEED BOOK 2954 PAGE 805



SURVEY HORIZONTAL CONTROL

POINT	NORTHING (US FT-GROUND)	EASTING (US FT-GROUND)	ELEVATION (NAVD88)	DESCRIPTION	GRID NORTHING (US FT-NAD 83/2011)	GRID EASTING (US FT-NAD 83/2011)
1	653075.45	2486596.85	61.82	CP NAIL 9" SPIKE - GPS 1	653075.45	2486596.85
2	653068.27	2485883.12	59.91	CP NAIL 9" SPIKE - GPS 2	653068.27	2485883.20

PROJECT CONTROL LOCALIZED TO GROUND AROUND GPS 1; CALCULATED COMBINED FACTOR = 0.99988738053167

SURVEY VERTICAL CONTROL

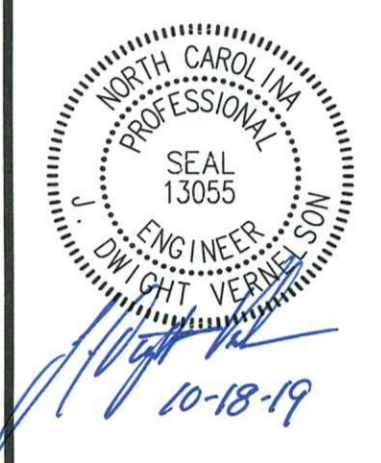
POINT	NORTHING (US FT-GROUND)	EASTING (US FT-GROUND)	ELEVATION (NAVD88)	DESCRIPTION
644	653179.3	2486345.2	65.71	TBM FHYD TOP
1213	653093.0	2486729.5	62.50	TBM EMN - END 1ST STRIPE

TOPOGRAPHIC SURVEY
CONSTRUCTION DRAWINGS
 CITY OF GREENVILLE
Boyd Lee Park
Sand Volleyball Court
 CITY OF GREENVILLE - PITT COUNTY - NORTH CAROLINA

NC License: F-0394
Rivers
 & ASSOCIATES, INC.
 Since 1918
 107 East Second Street
 Greenville, NC 27858
 (252) 752-4135
 Engineers
 Planners
 Surveyors
 Landscape Architects
 May 31, 2019

PROJECT No. 2017115.12
 DRAWING No. W-3845
 SCALE: 1" = 30'
 SHEET No. **C2**

P:\MUNICIPALITY\2019\05\BOYD LEE PARK SAND VOLLEYBALL COURT\05-BOYD LEE PARK SAND VOLLEYBALL COURT - 10:09:18 AM - P:\RIVERS\HARTMAN

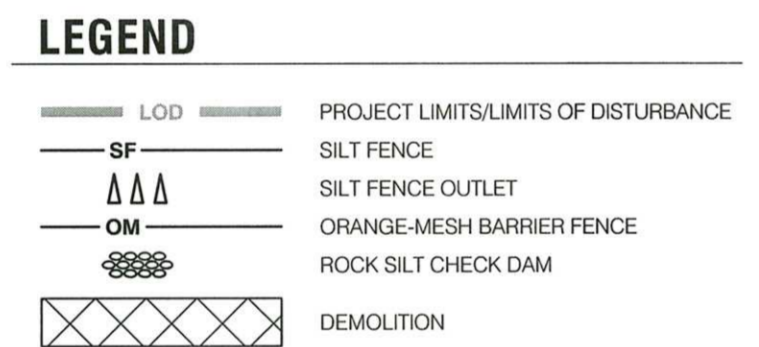
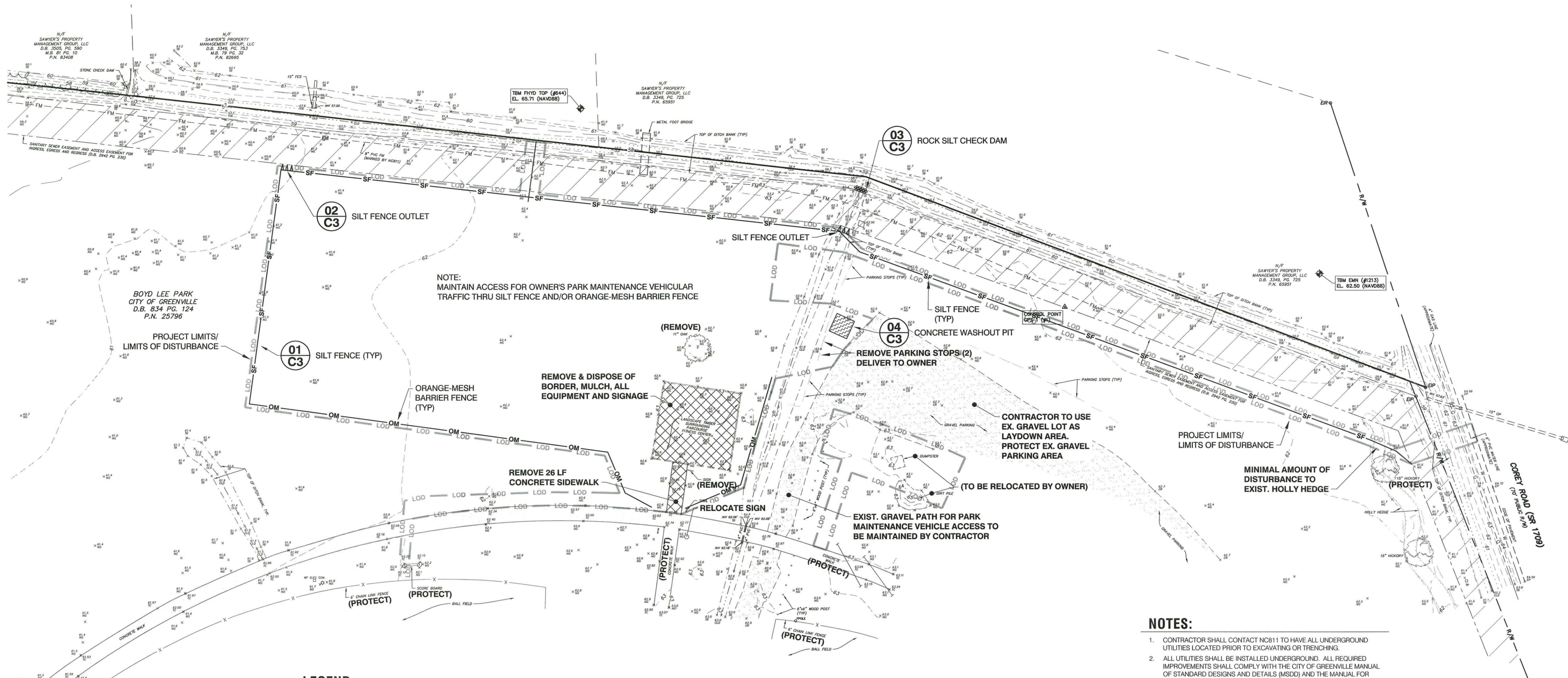


REVISIONS:

NO.	DESCRIPTION	DATE	BY

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE - PITT COUNTY - NORTH CAROLINA
DEMOLITION & EROSION CONTROL

DATE: October 18, 2019
 DESIGNED BY: MEG
 DRAWN BY: LC
 CHECKED BY: MEG/JDV
 PROJECT No. 2017115.12
 DRAWING No. W-3845-CD
 SCALE: 1" = 30'
 SHEET No. **C3**

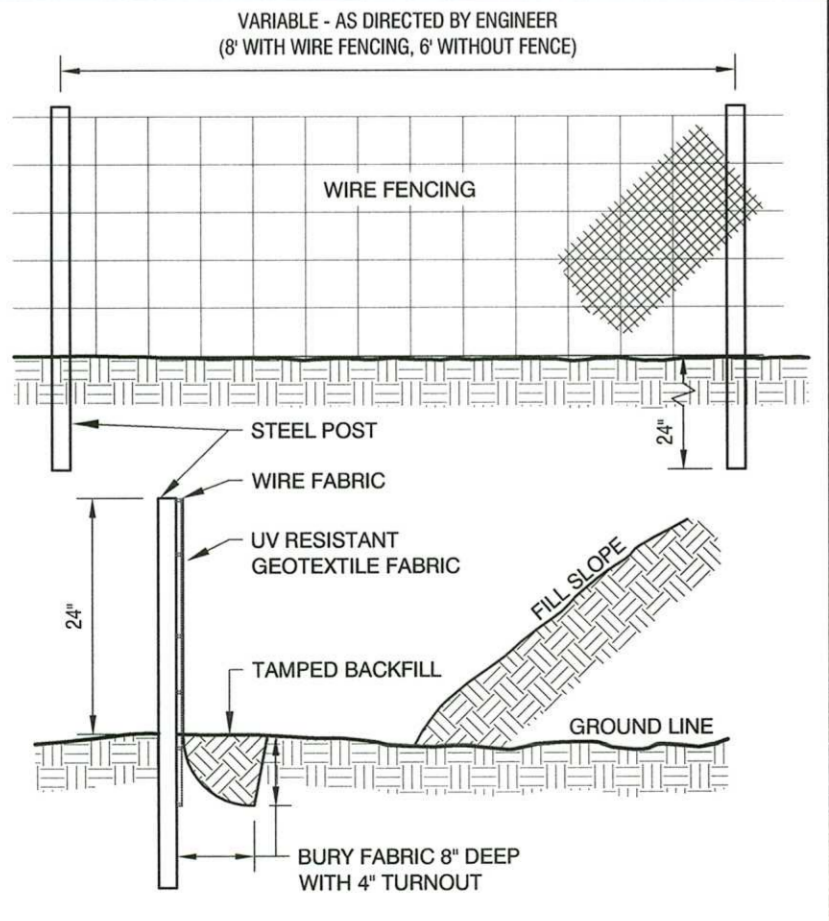


DEMOLITION AND EROSION CONTROL
 TOTAL DISTURBED AREA = 43,527 SF (0.99 AC) SCALE: 1" = 30'

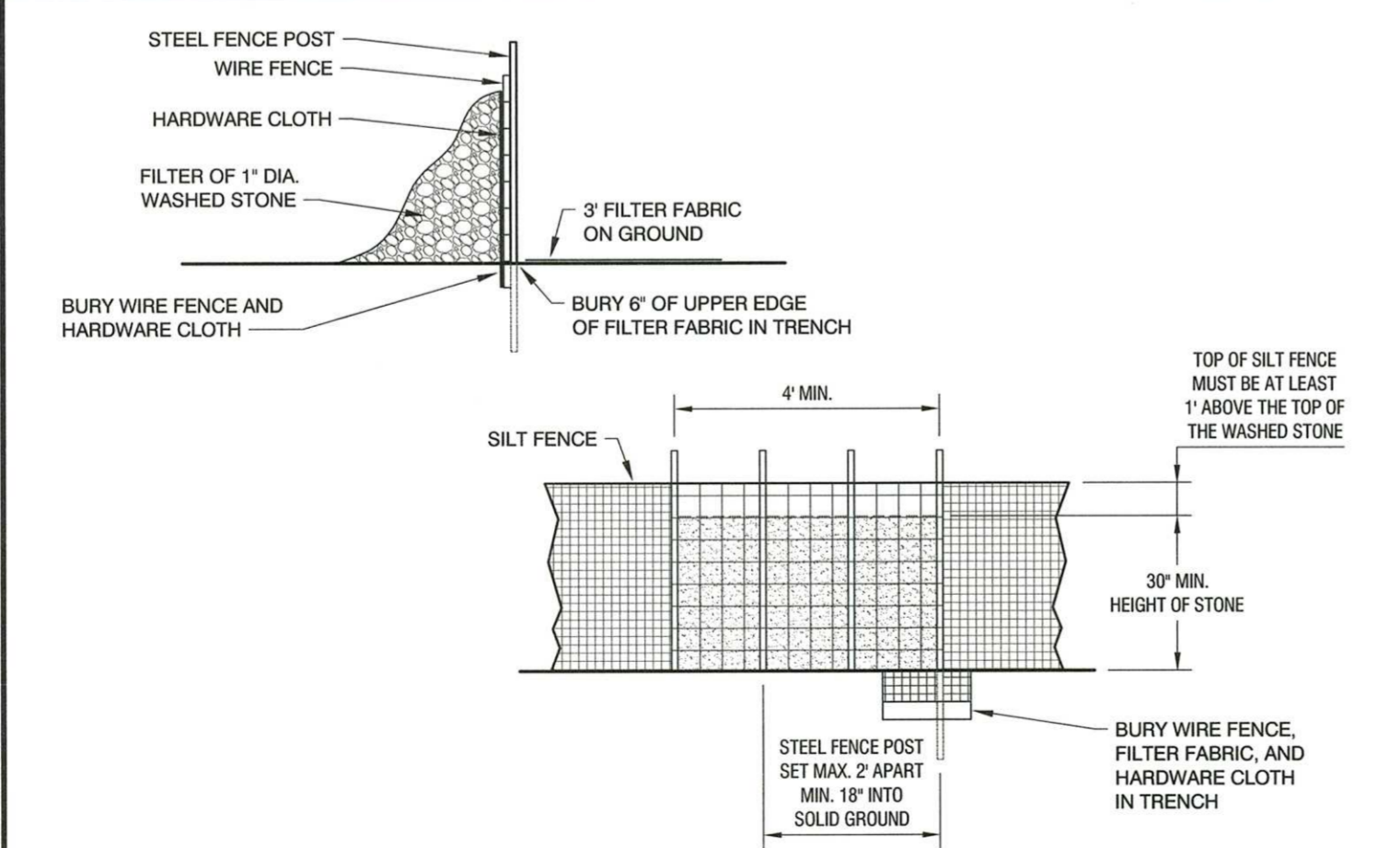
- NOTES:**
- CONTRACTOR SHALL CONTACT NC811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
 - ALL UTILITIES SHALL BE INSTALLED UNDERGROUND. ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS (MSDD) AND THE MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS FOR GREENVILLE UTILITIES COMMISSION AND IN ACCORDANCE WITH APPROPRIATE UTILITY COMPANY'S POLICY.
 - CONTRACTOR SHALL PROVIDE FOR AND FOLLOW CITY OF GREENVILLE'S EROSION AND CONTROL ORDINANCE.
 - SITE SHALL MEET ALL RELATIVE NORTH CAROLINA ACCESSIBILITY CODE REQUIREMENTS.
 - CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, SIDEWALKS, (UNLESS NOTED OTHERWISE) AND FENCES.
 - SEED AND MULCH ALL DISTURBED AREAS.



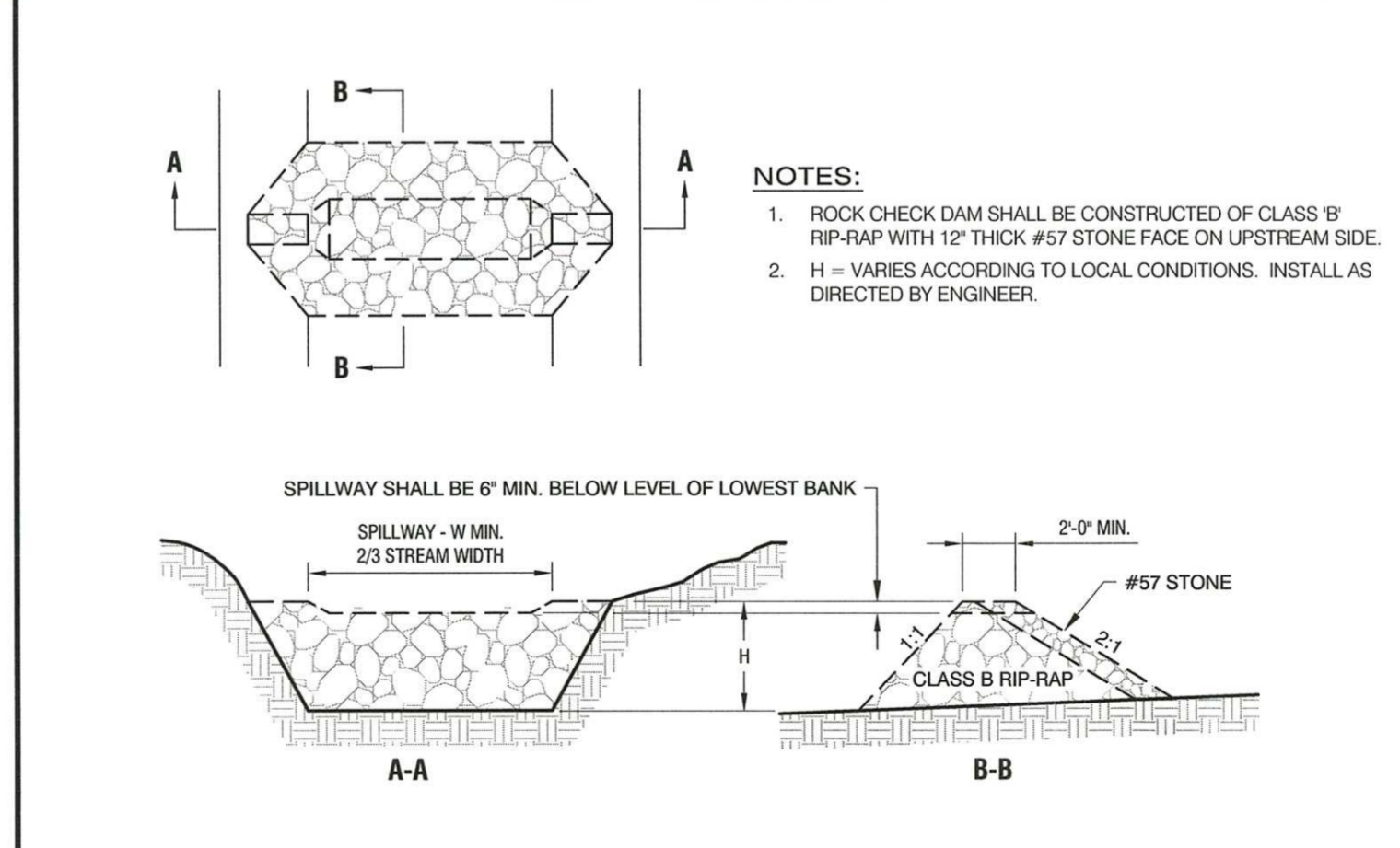
- NOTES:**
- USE STANDARD STRENGTH FABRIC WITH 8' POST SPACING AND WIRE FENCING WHERE REINFORCED SILT FENCE IS REQUIRED.
 - WITH EXTRA STRENGTH FABRIC, USE 6' POST SPACING AND NO WIRE FENCING.
 - WIRE FENCING TO BE 32" WITH 6-LINE WIRES AND STAY WIRES ON 12" CENTERS/ BOTTOM AND TOP WIRES 10 GA., INTERMEDIATE WIRES 12.5 GA.
- MAINTENANCE:**
 INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
 REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



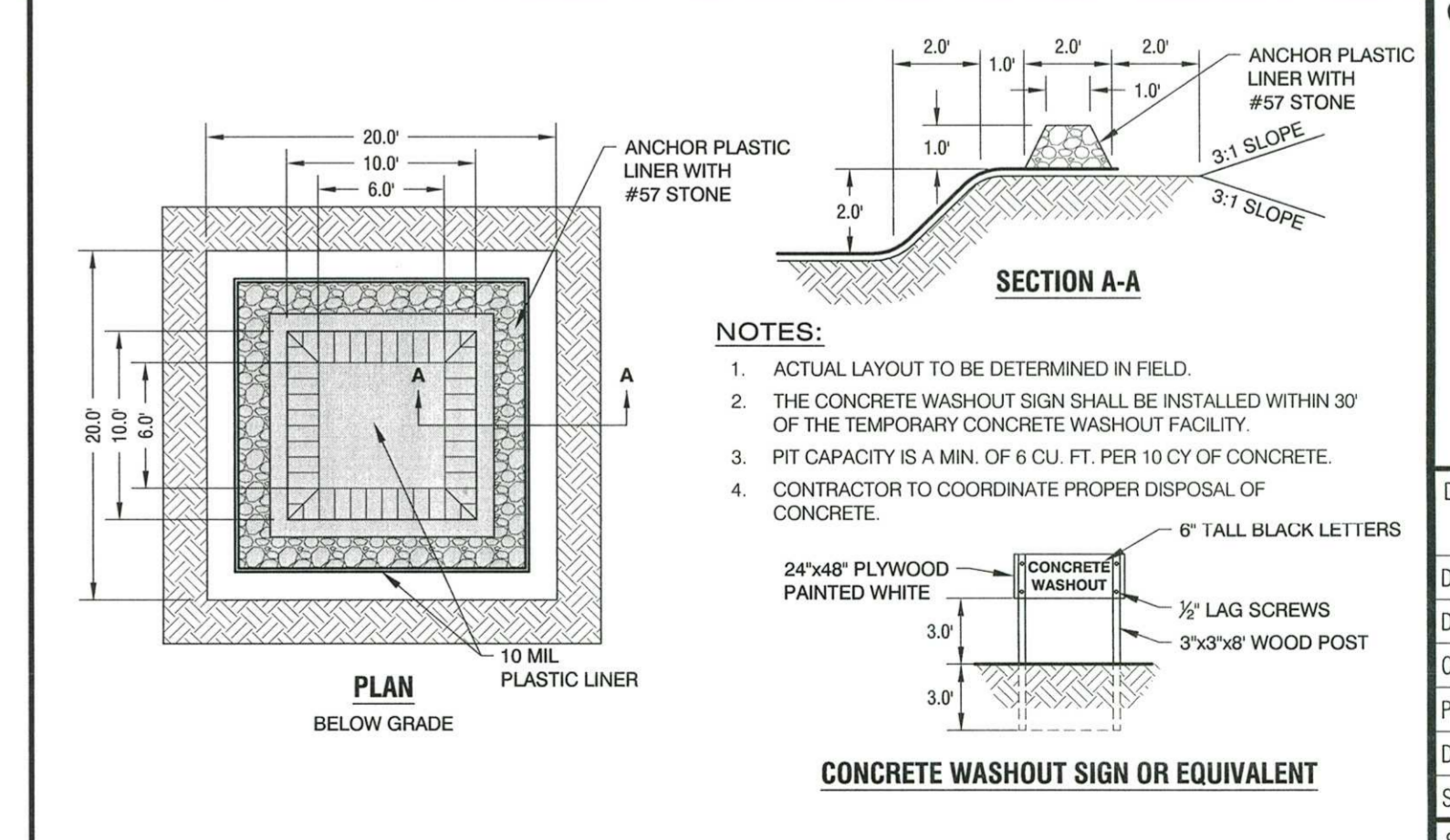
01 TEMPORARY SILT FENCE N.T.S. EC-1



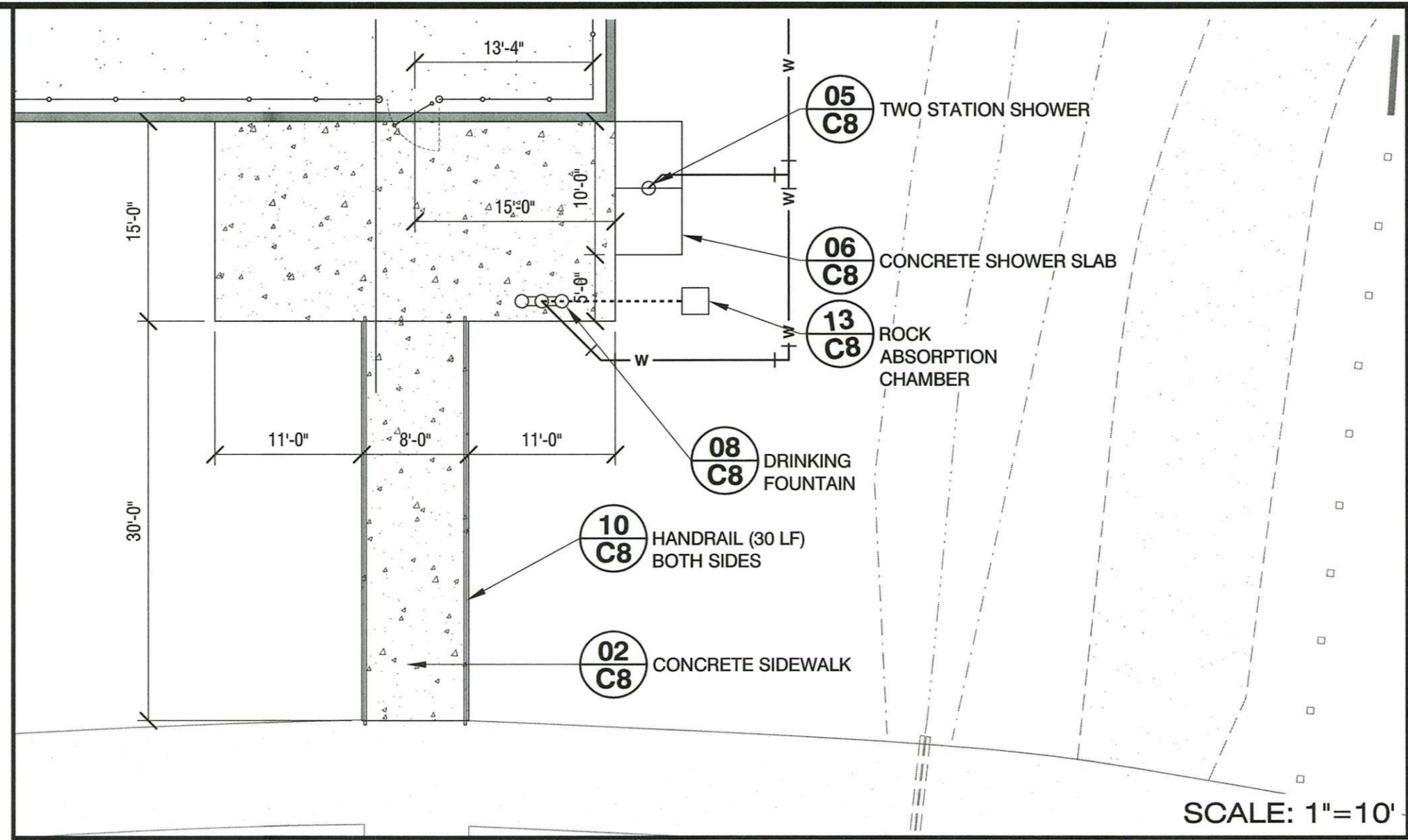
02 SILT FENCE OUTLET N.T.S. EC-2



03 TEMPORARY ROCK SILT CHECK DAM N.T.S. EC-3

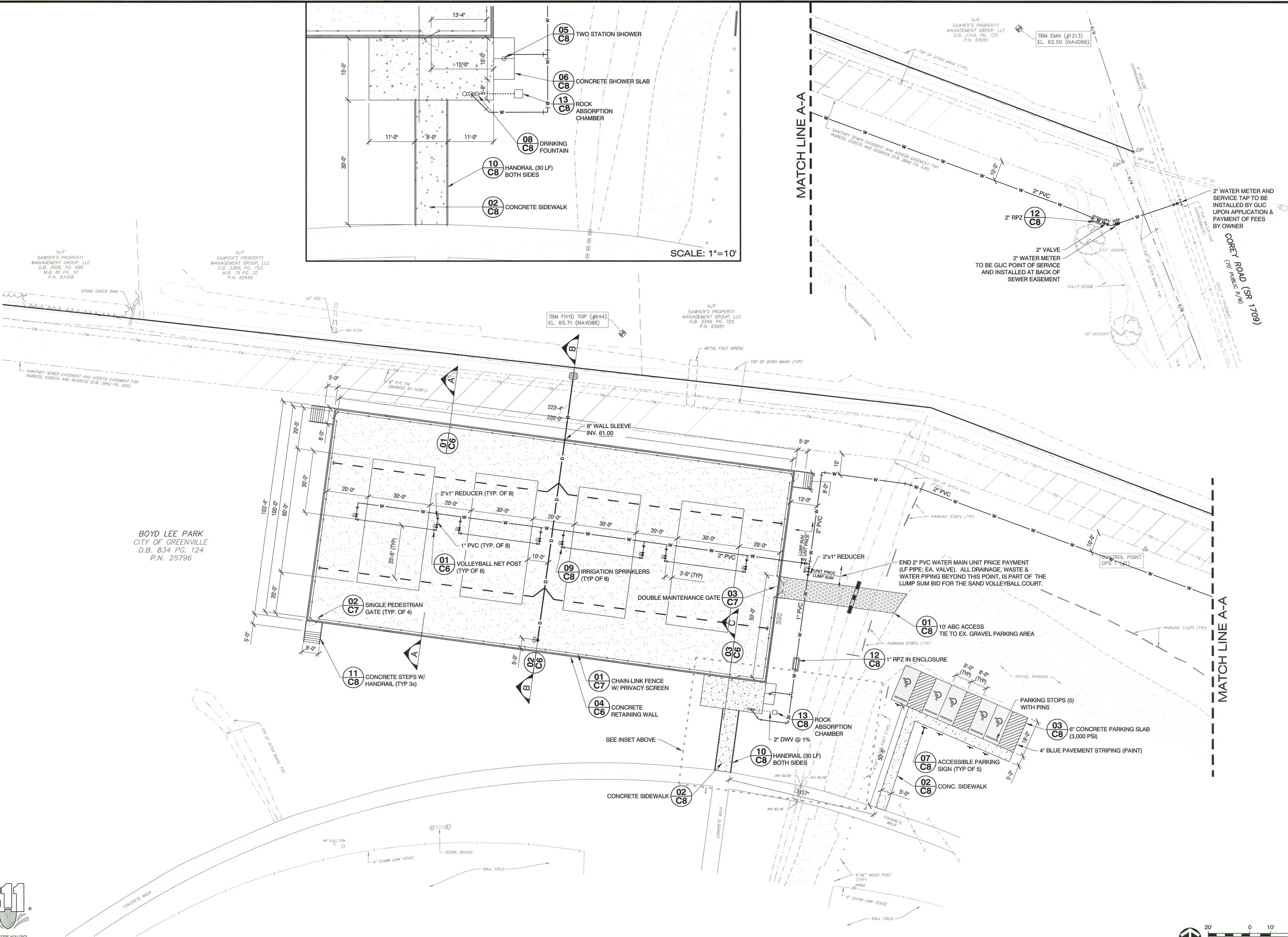


04 CONCRETE WASHOUT PIT N.T.S. EC-30



MATCH LINE A-A

SCALE: 1"=10'



BOYD LEE PARK
CITY OF GREENVILLE
D.B. 834 PG. 124
P.N. 25796

Rivers & Associates, Inc.
 Engineers
 Planners
 Surveyors
 Landscape Architects
 107 East Second Street
 Greenville, NC 27658
 (252) 752-4135

NORTH CAROLINA
 PROFESSIONAL ENGINEER
 SEAL
 13055
 10-18-19

REVISIONS:

NO.	DESCRIPTION	DATE	BY

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE ~ PITT COUNTY ~ NORTH CAROLINA
SITE PLAN

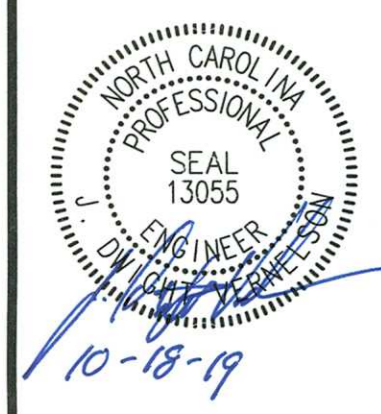
DATE: October 18, 2019

DESIGNED BY:	KR/MG
DRAWN BY:	KR/LC
CHECKED BY:	MG/JDV
PROJECT No.:	2017115.12
DRAWING No.:	W-3845-CD
SCALE:	AS NOTED
SHEET No.:	

C4

CALL BEFORE YOU DIG!
 WWW.811.ORG
 N.C. ONE-CALL CENTER
 IT'S THE LAW.





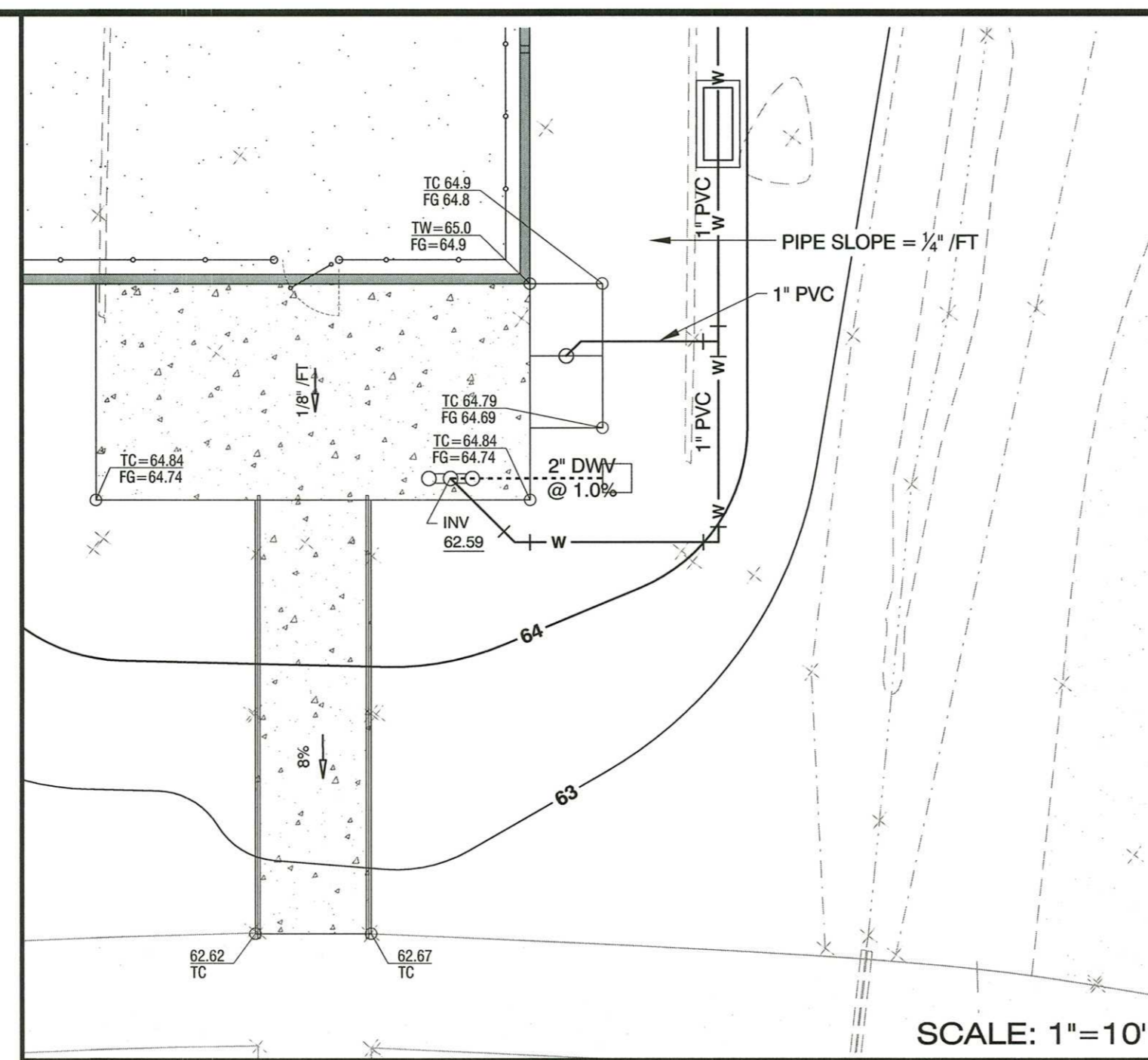
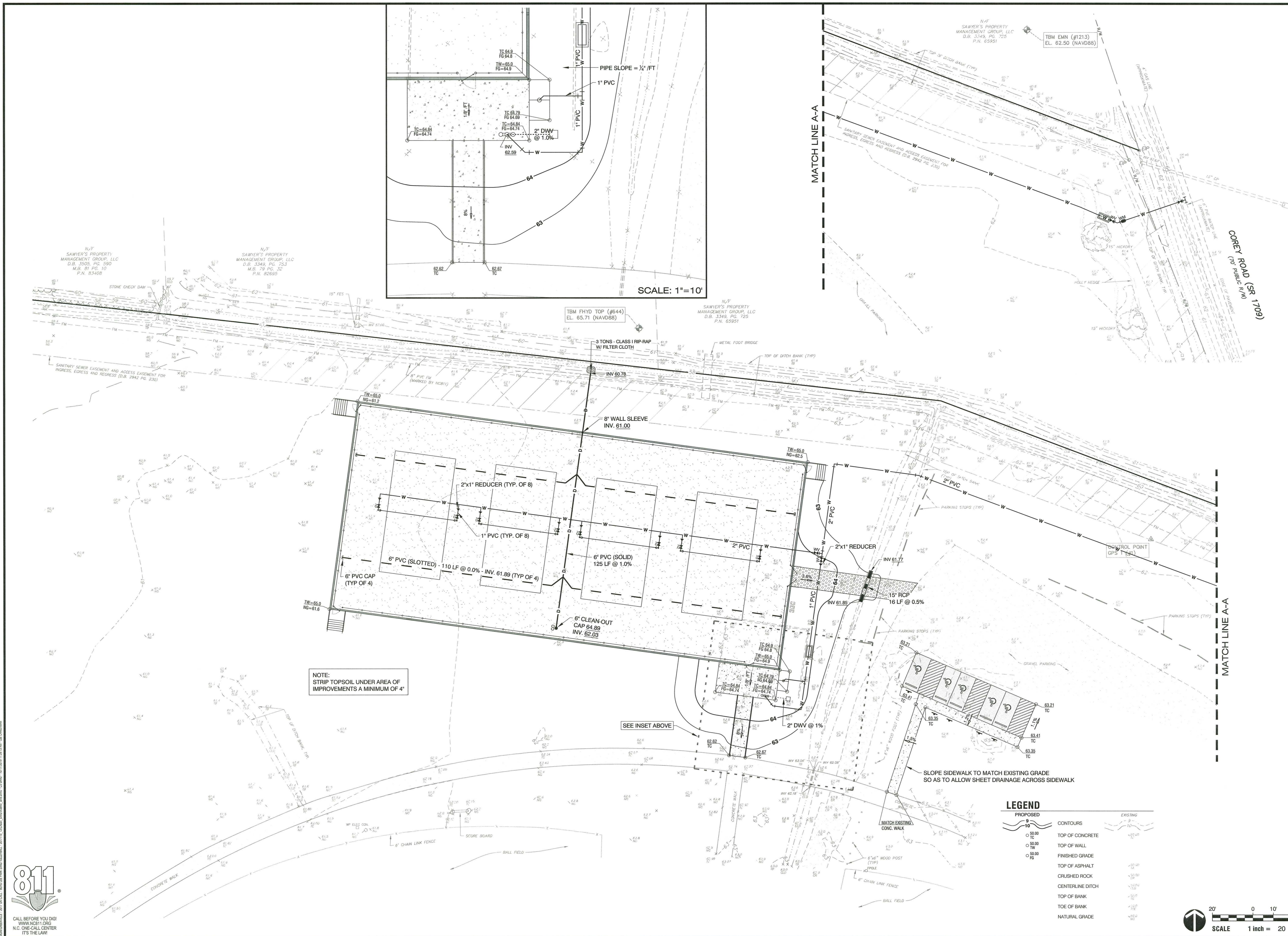
REVISIONS:

NO.	DESCRIPTION	DATE	BY

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE - PITT COUNTY - NORTH CAROLINA
GRADING & DRAINAGE PLAN

DATE: October 18, 2019

DESIGNED BY: KR/MG
 DRAWN BY: KR/LC
 CHECKED BY: MG/JDV
 PROJECT No. 2017115.12
 DRAWING No. W-3845-CD
 SCALE: AS NOTED
 SHEET No. **C5**



MATCH LINE A-A

COREY ROAD (SR 1709)
 (70' Public R/W)

SCALE: 1"=10'

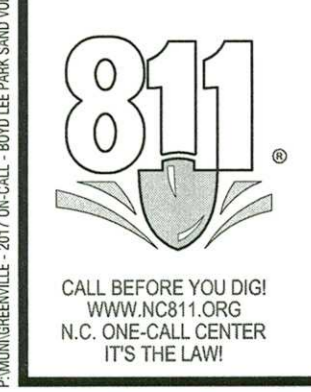
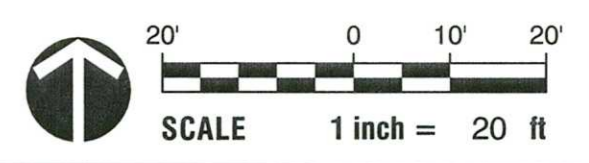
NOTE: STRIP TOPSOIL UNDER AREA OF IMPROVEMENTS A MINIMUM OF 4"

SEE INSET ABOVE

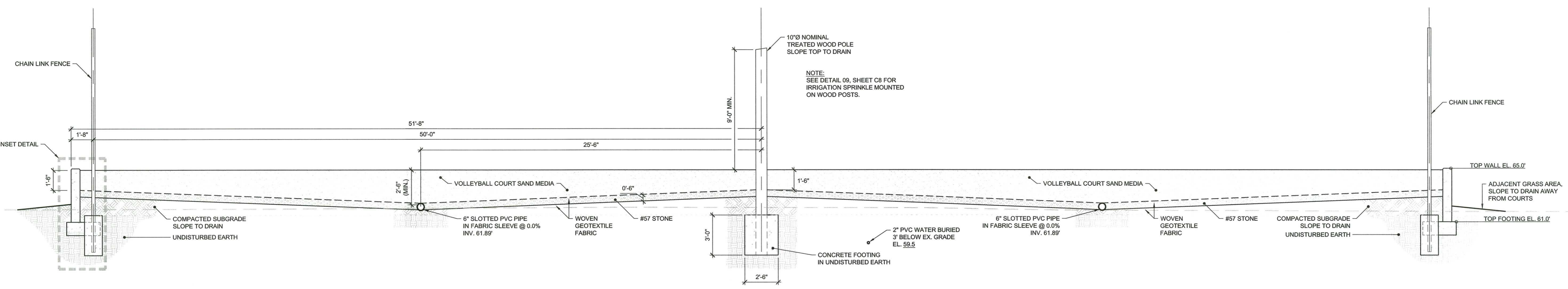
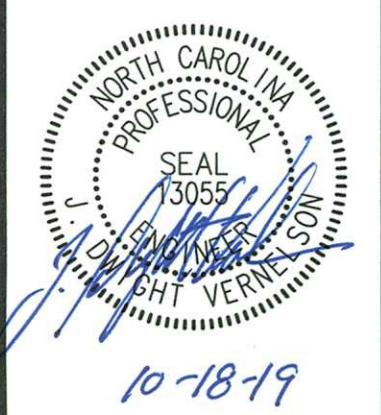
SLOPE SIDEWALK TO MATCH EXISTING GRADE SO AS TO ALLOW SHEET DRAINAGE ACROSS SIDEWALK

LEGEND

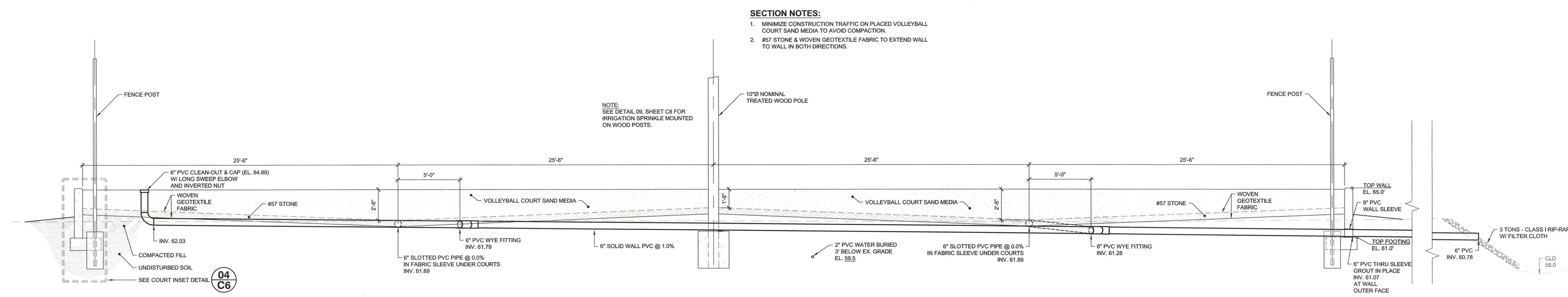
PROPOSED	EXISTING
CONTOURS	CONTOURS
TOP OF CONCRETE	TOP OF CONCRETE
TOP OF WALL	TOP OF WALL
FINISHED GRADE	FINISHED GRADE
CRUSHED ROCK	CRUSHED ROCK
CENTERLINE DITCH	CENTERLINE DITCH
TOP OF BANK	TOP OF BANK
TOE OF BANK	TOE OF BANK
NATURAL GRADE	NATURAL GRADE



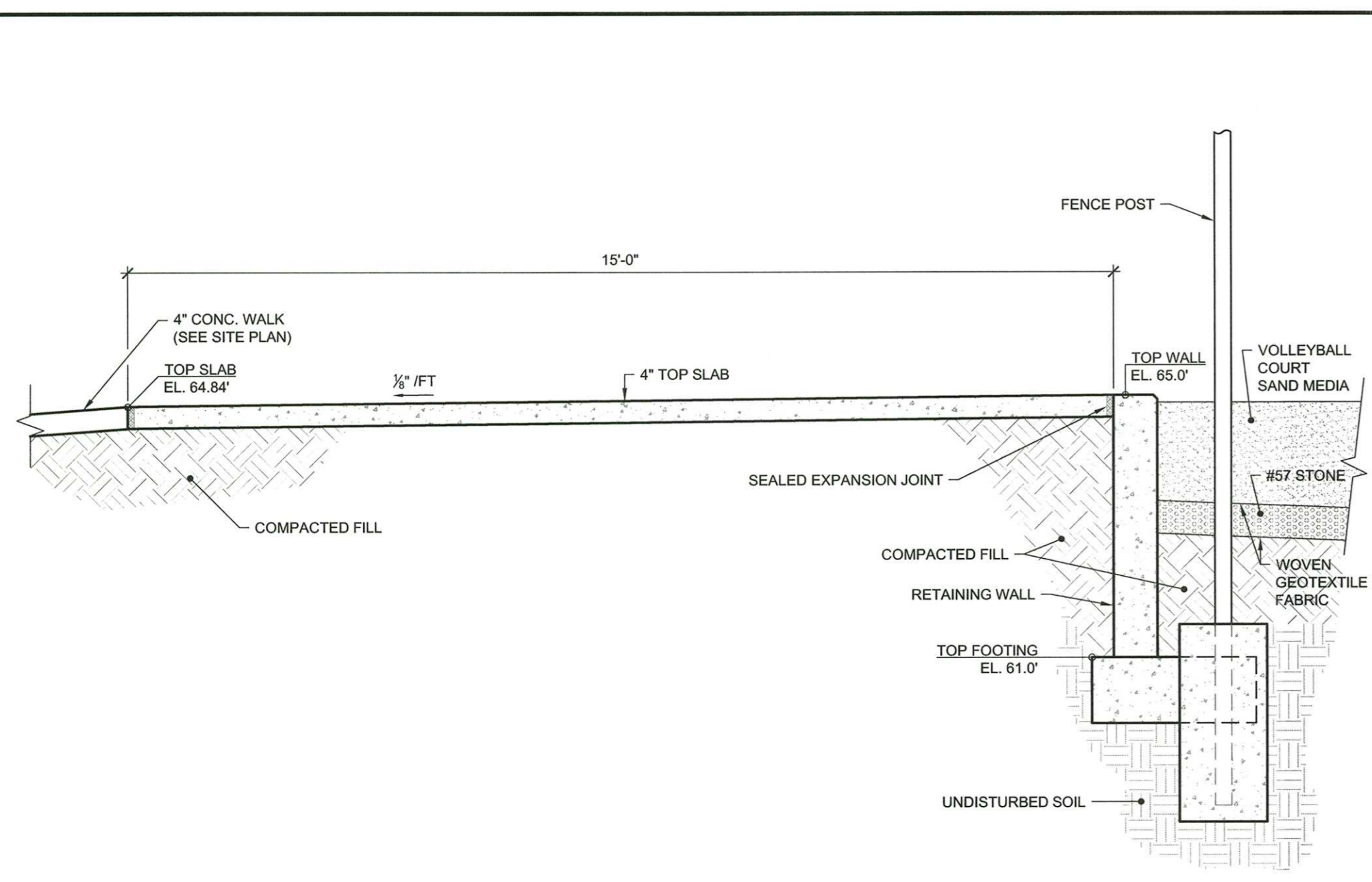
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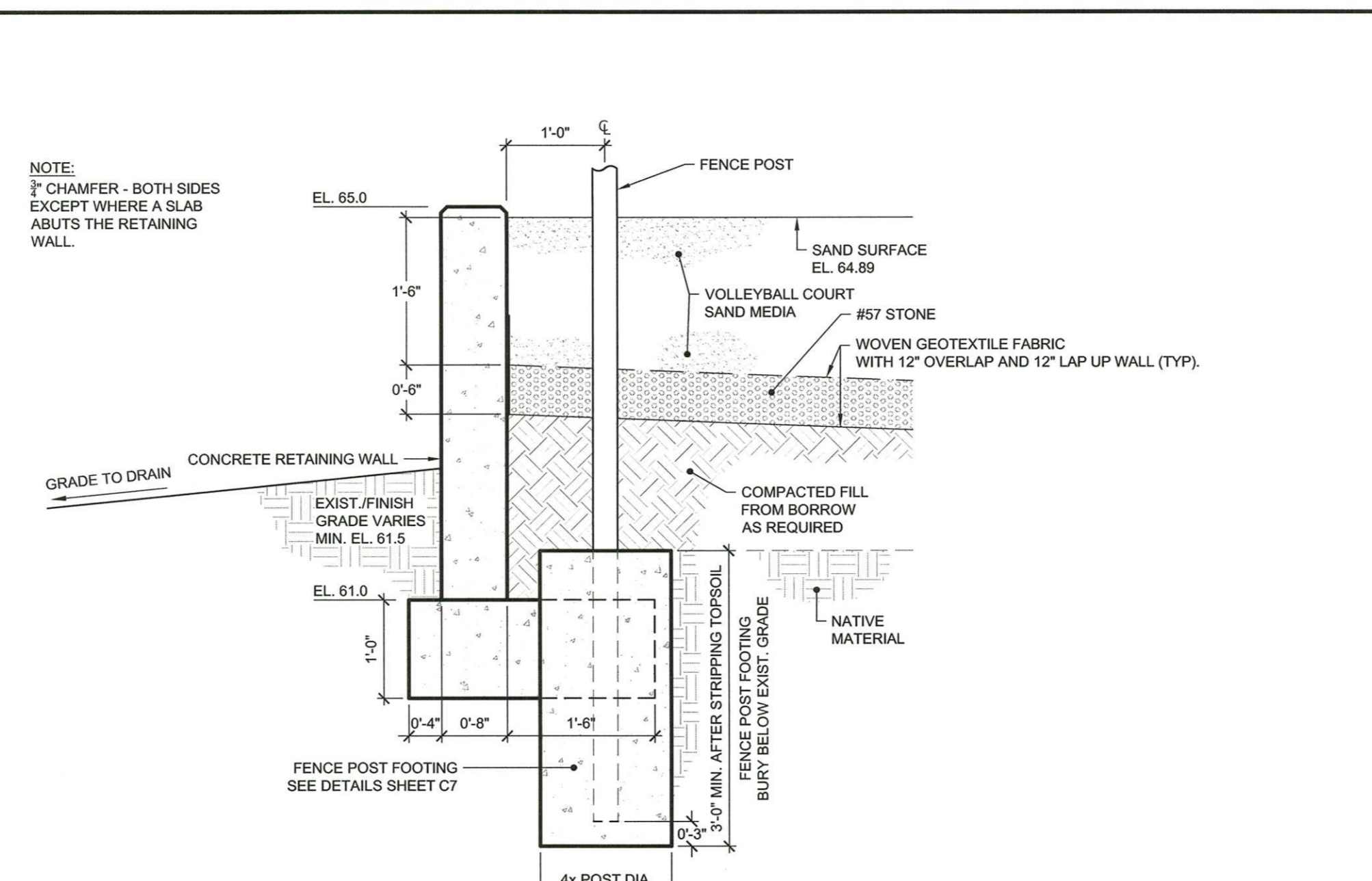
01 VOLLEYBALL COURT ~ SECTION A-A
 SCALE: 1/4" = 1'-0"



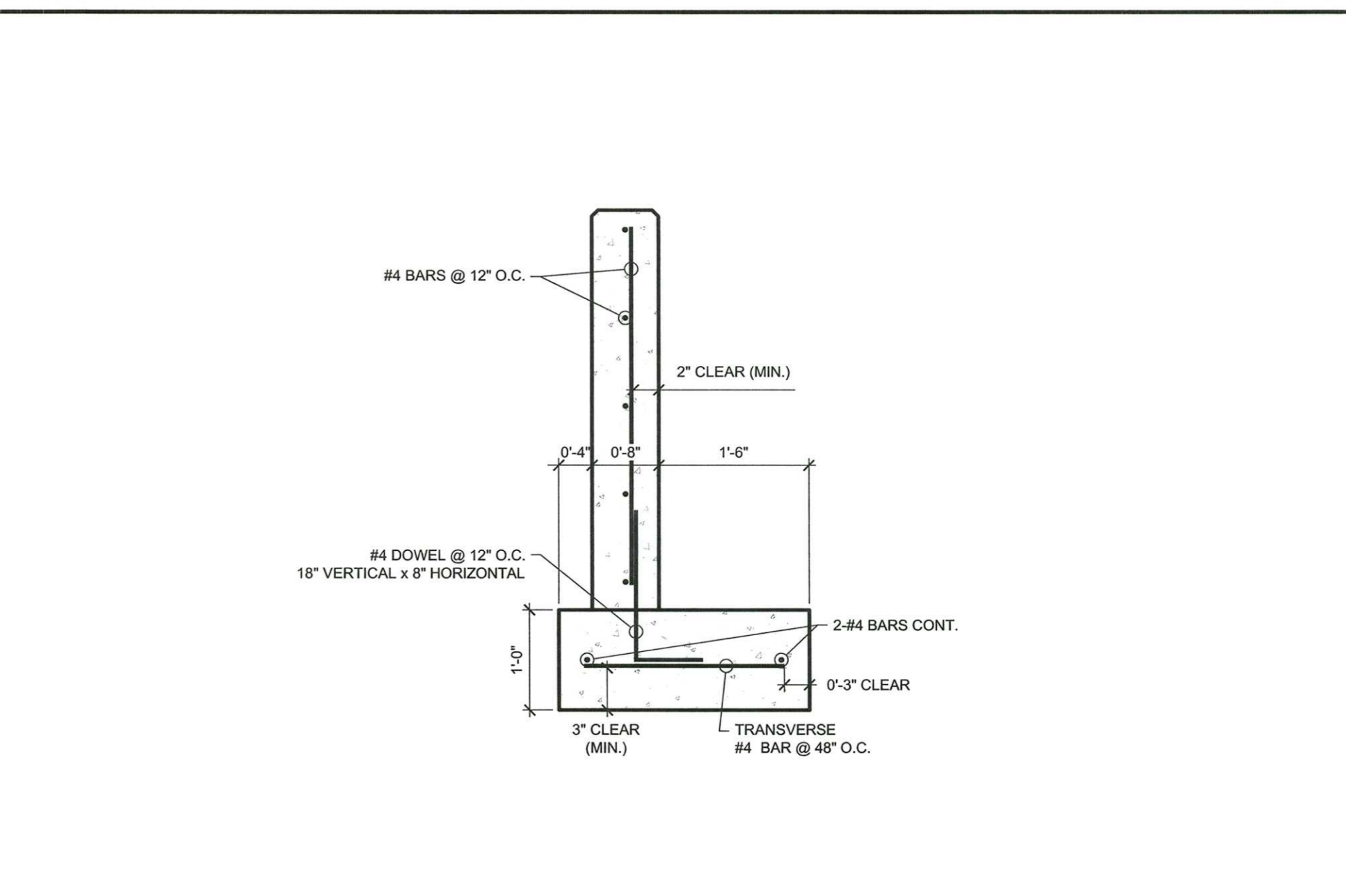
02 VOLLEYBALL COURT ~ SECTION B-B
 SCALE: 1/4" = 1'-0"



03 VOLLEYBALL COURT ~ SECTION C-C
 SCALE: 1/2" = 1'-0"



04 COURT INSET DETAIL
 SECTION NTS



05 RETAINING WALL REINFORCING DETAIL
 SECTION NTS

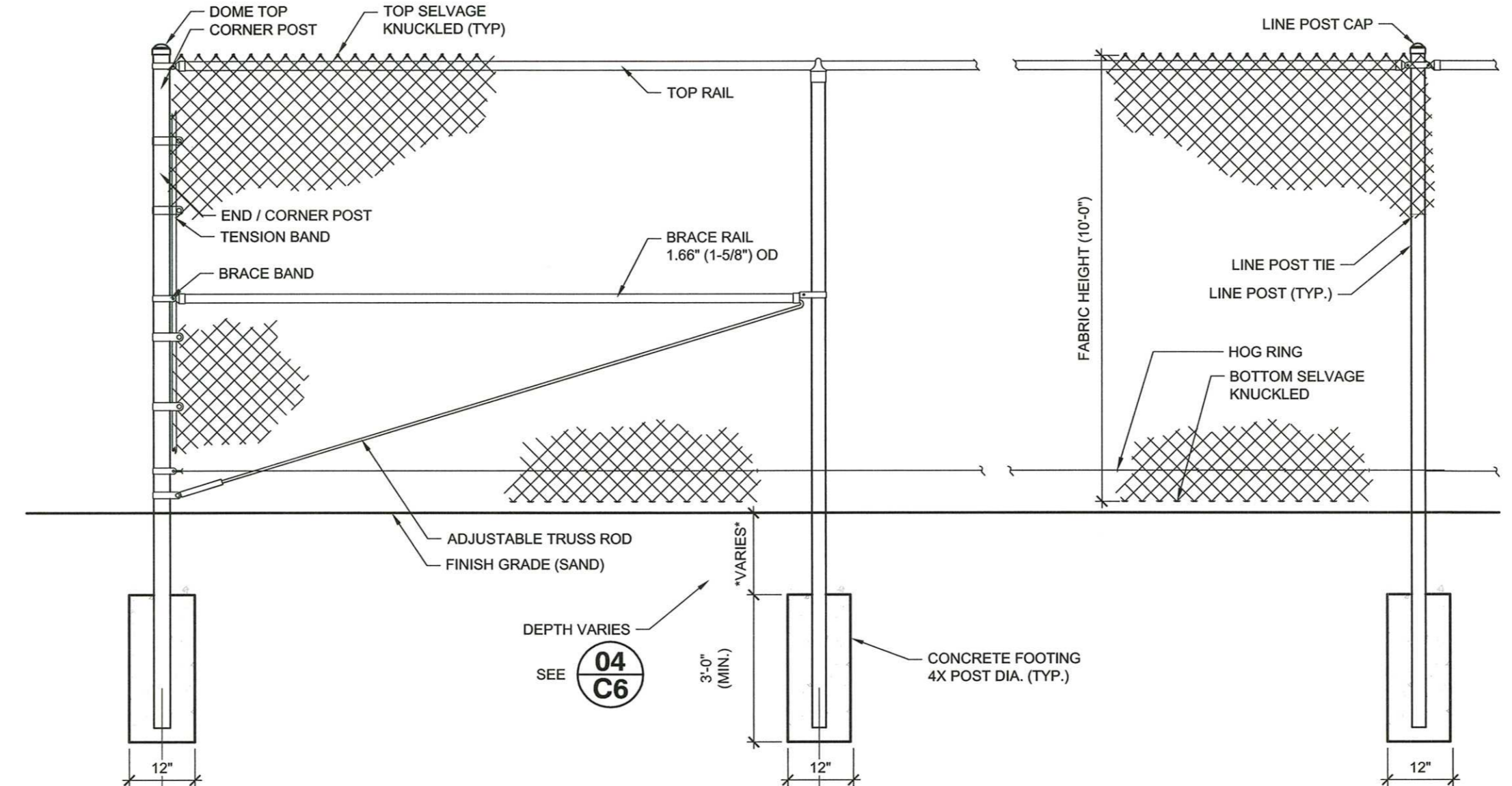
REVISIONS:

NO.	DESCRIPTION	DATE	BY

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE ~ PITT COUNTY ~ NORTH CAROLINA
VOLLEYBALL COURT DETAILS

DATE: October 18, 2019
 DESIGNED BY: KR/MG
 DRAWN BY: KR/LC
 CHECKED BY: MG/JDV
 PROJECT No. 2017115.12
 DRAWING No. W-3845-CD
 SCALE: AS NOTED
 SHEET No.

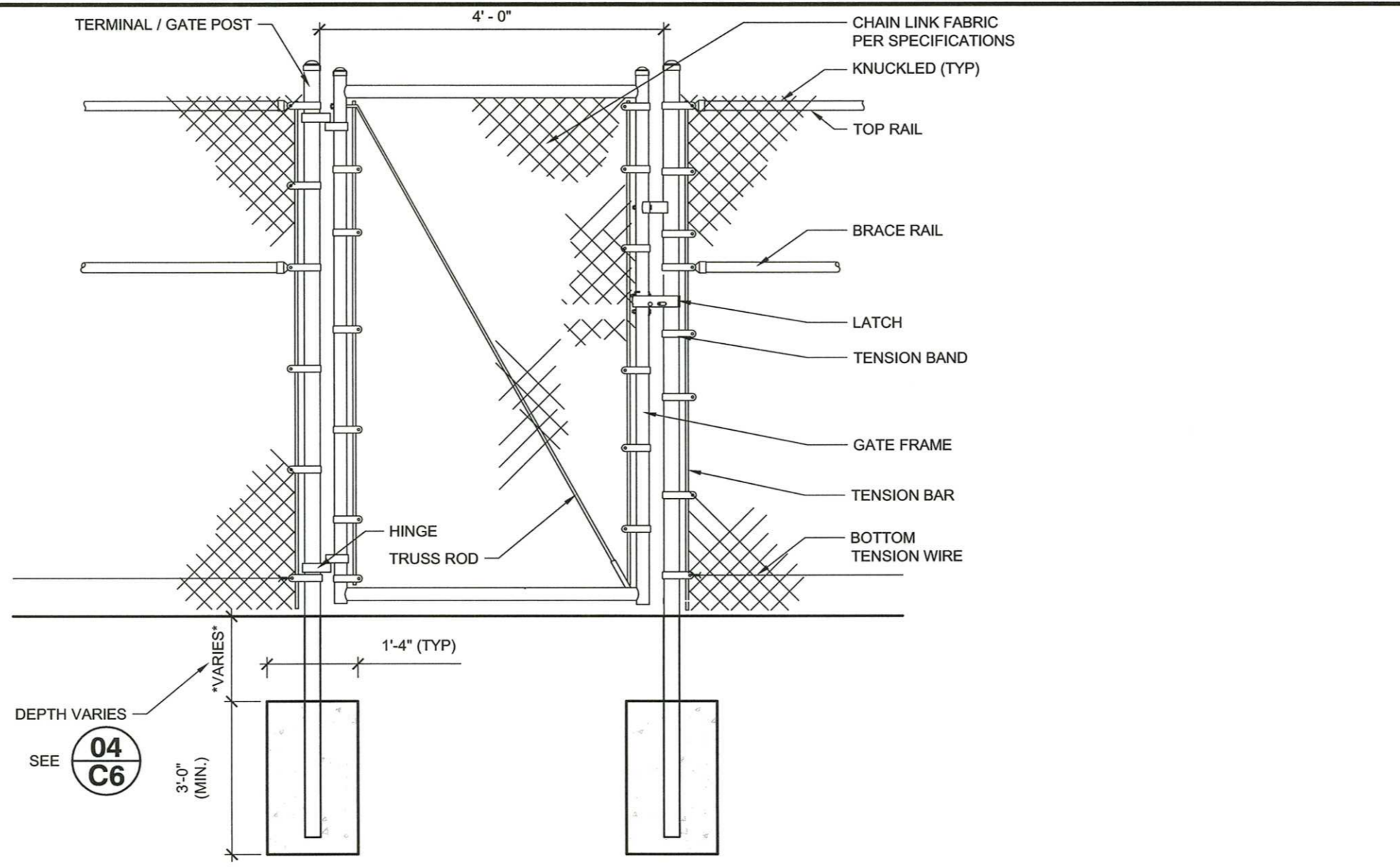
P:\MANUFACTURING\2017\24-CAL - BOYD LEE PARK SAND VOLLEYBALL COURTS - CD\FENCE - 10/17/2019 12:28 PM - LEE.DRSHAW



- NOTES:**
1. PROVIDE 4 FOOT HIGH PRIVACY SCREEN ATTACHED TO BOTTOM OF FENCING AND GATES PER SPECIFICATIONS.
 2. LOCATE ALL GATE HEIGHTS TO PROVIDE CLEAR SWING OF GATES OVER CONCRETE RETAINING WALL.

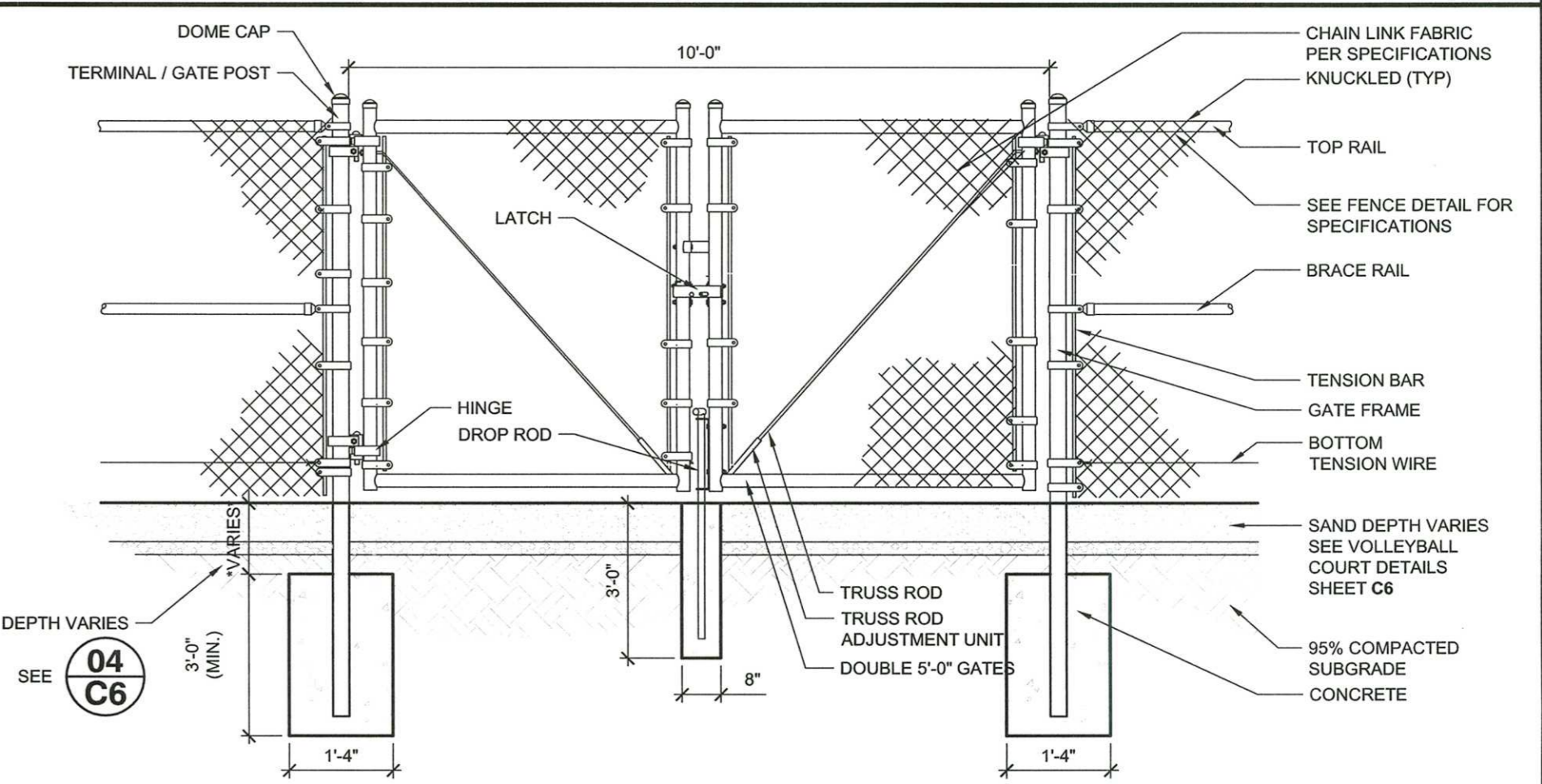
01 CHAIN LINK FENCE W/ PRIVACY SCREEN
ELEVATION

NTS



02 CHAIN LINK - SINGLE GATE
ELEVATION

NTS



03 CHAIN LINK - DOUBLE GATE
ELEVATION

NTS

NC License: F-0354
Rivers
 & ASSOCIATES, INC.
 Since 1918
 ENGINEERS
 PLANNERS
 SURVEYORS
 LANDSCAPE ARCHITECTS
 107 East Second Street
 Greenville, NC 27658
 (252) 752-4135

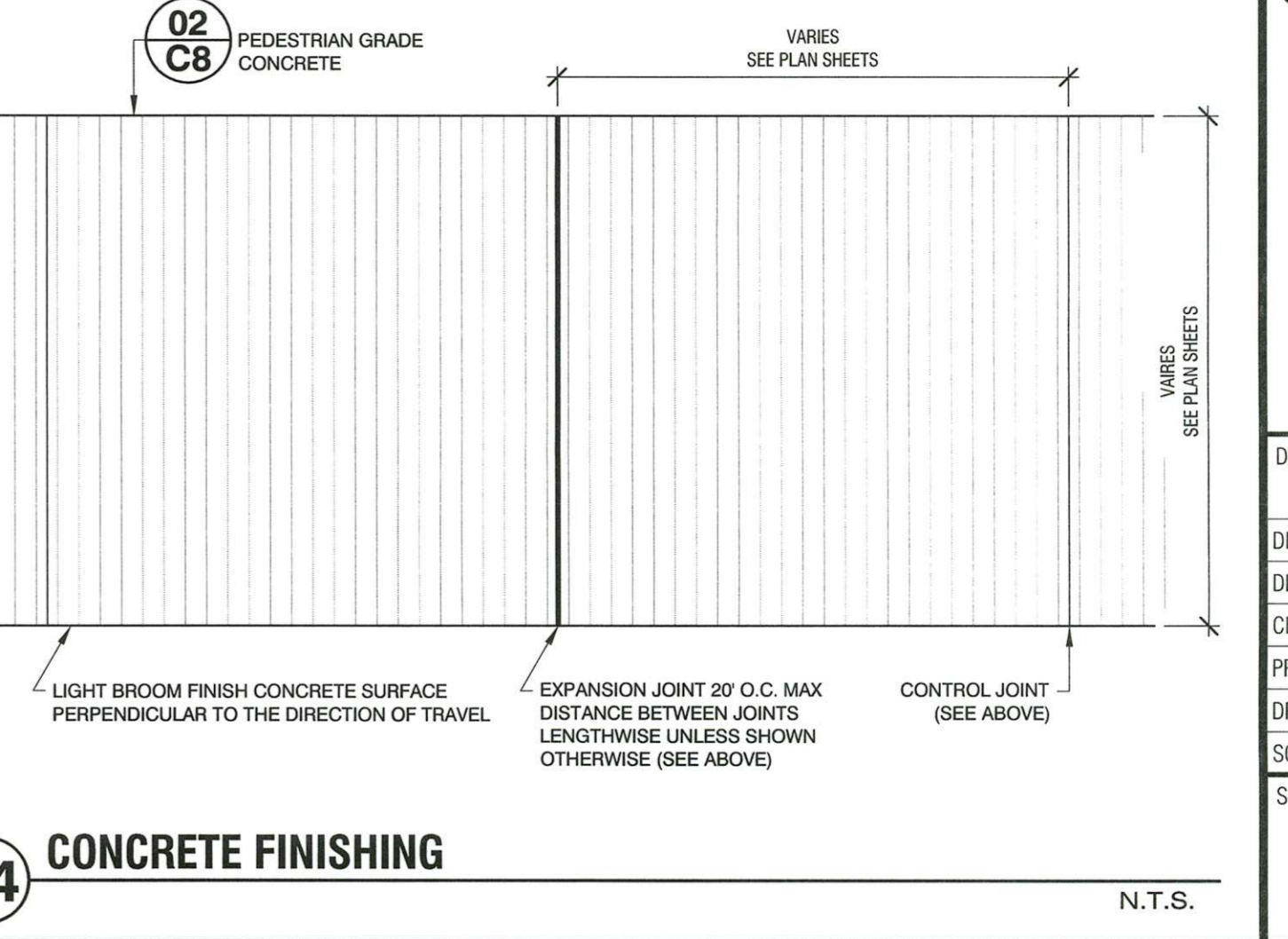
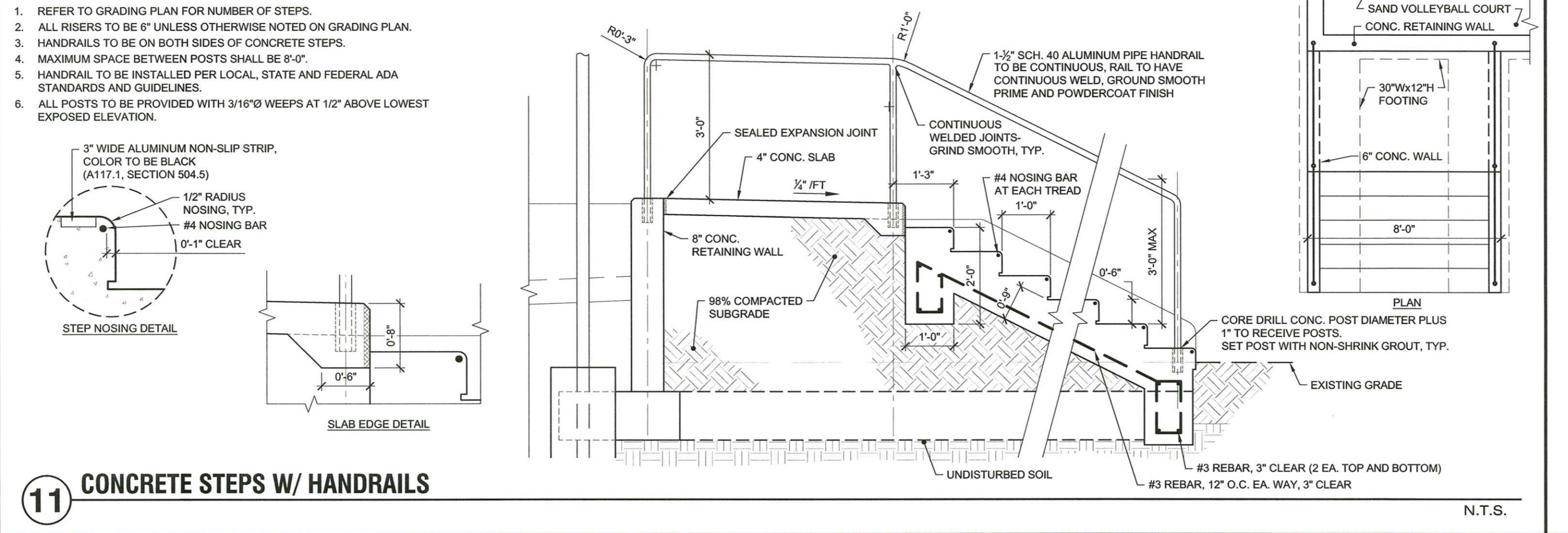
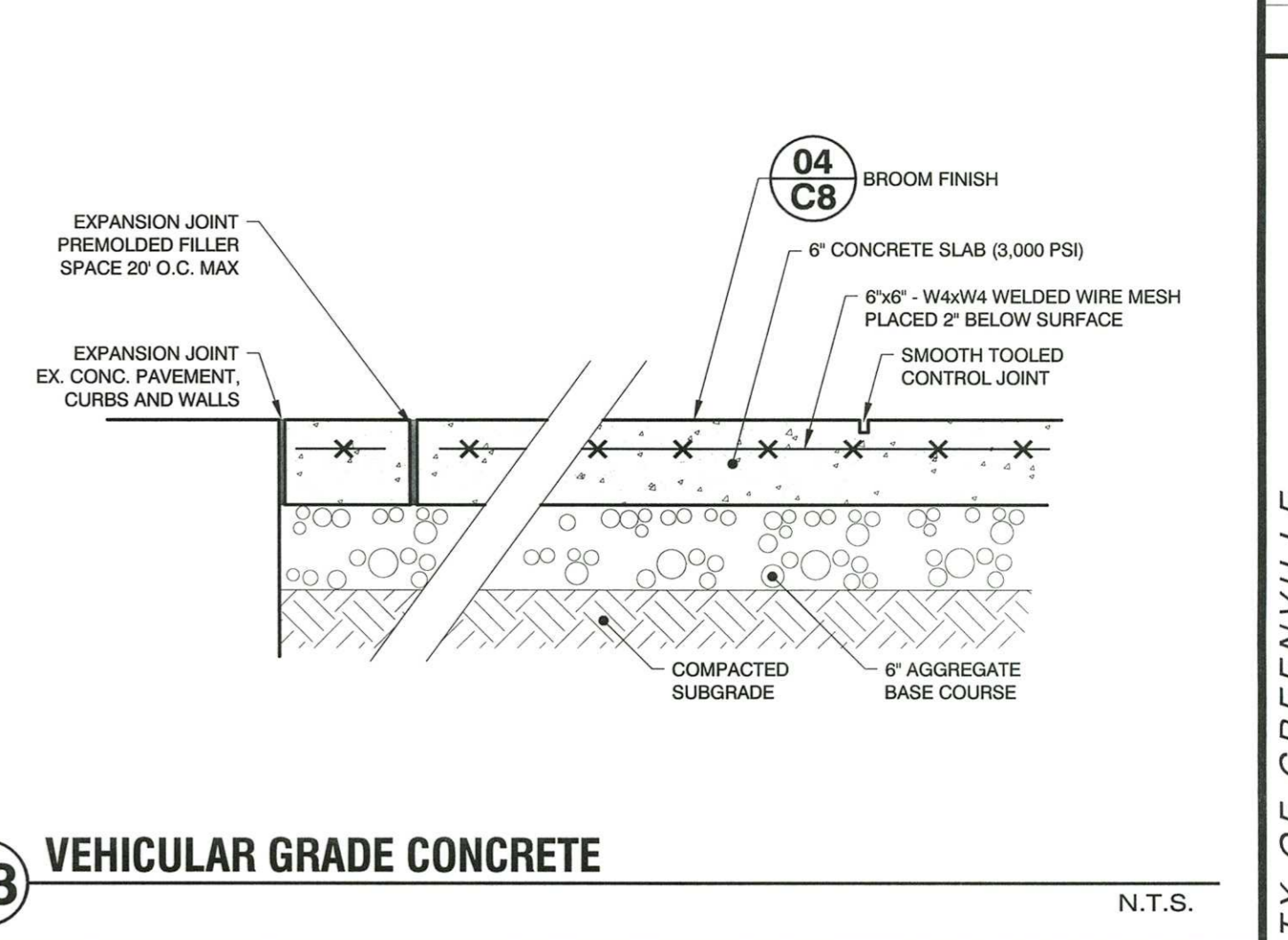
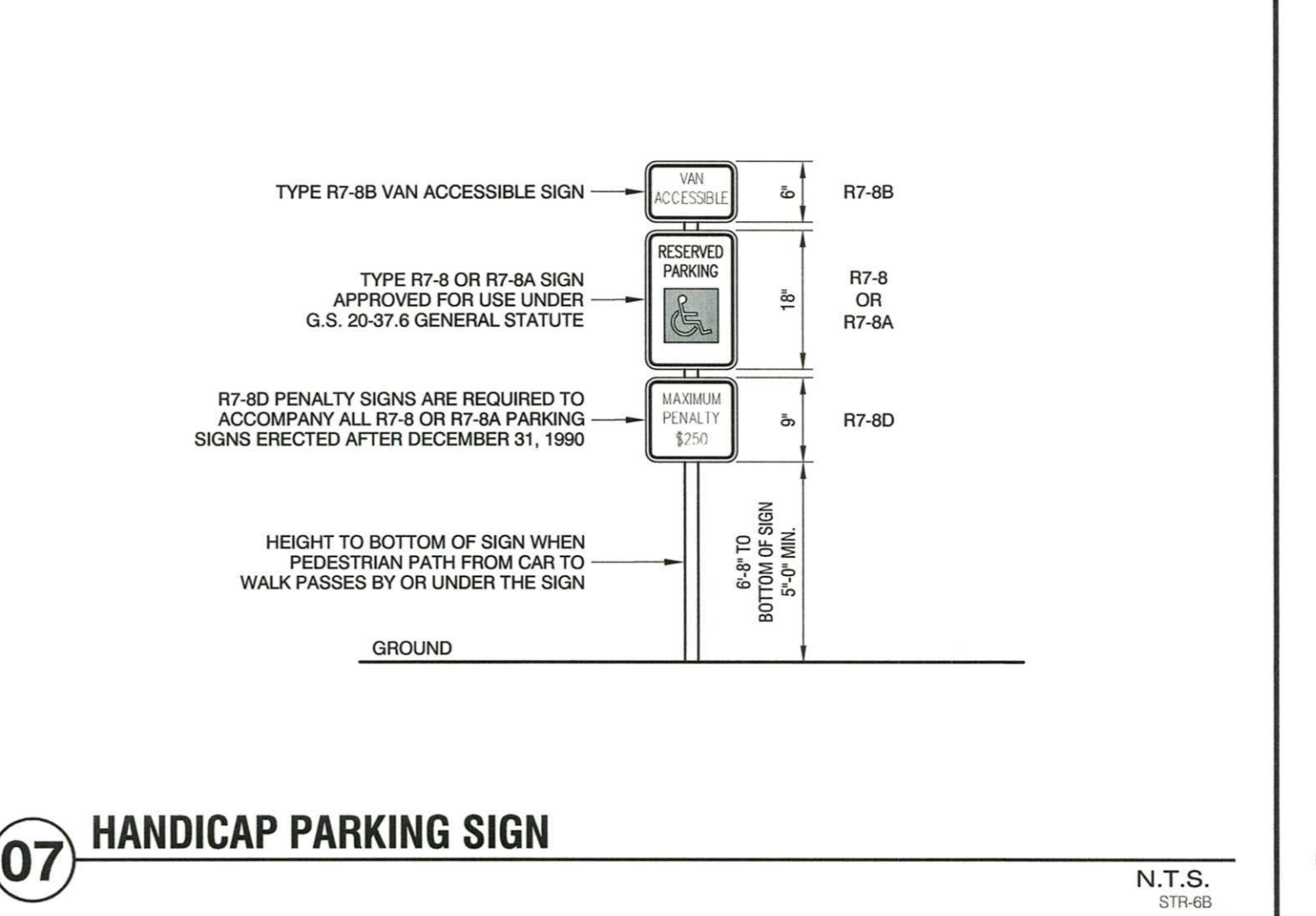
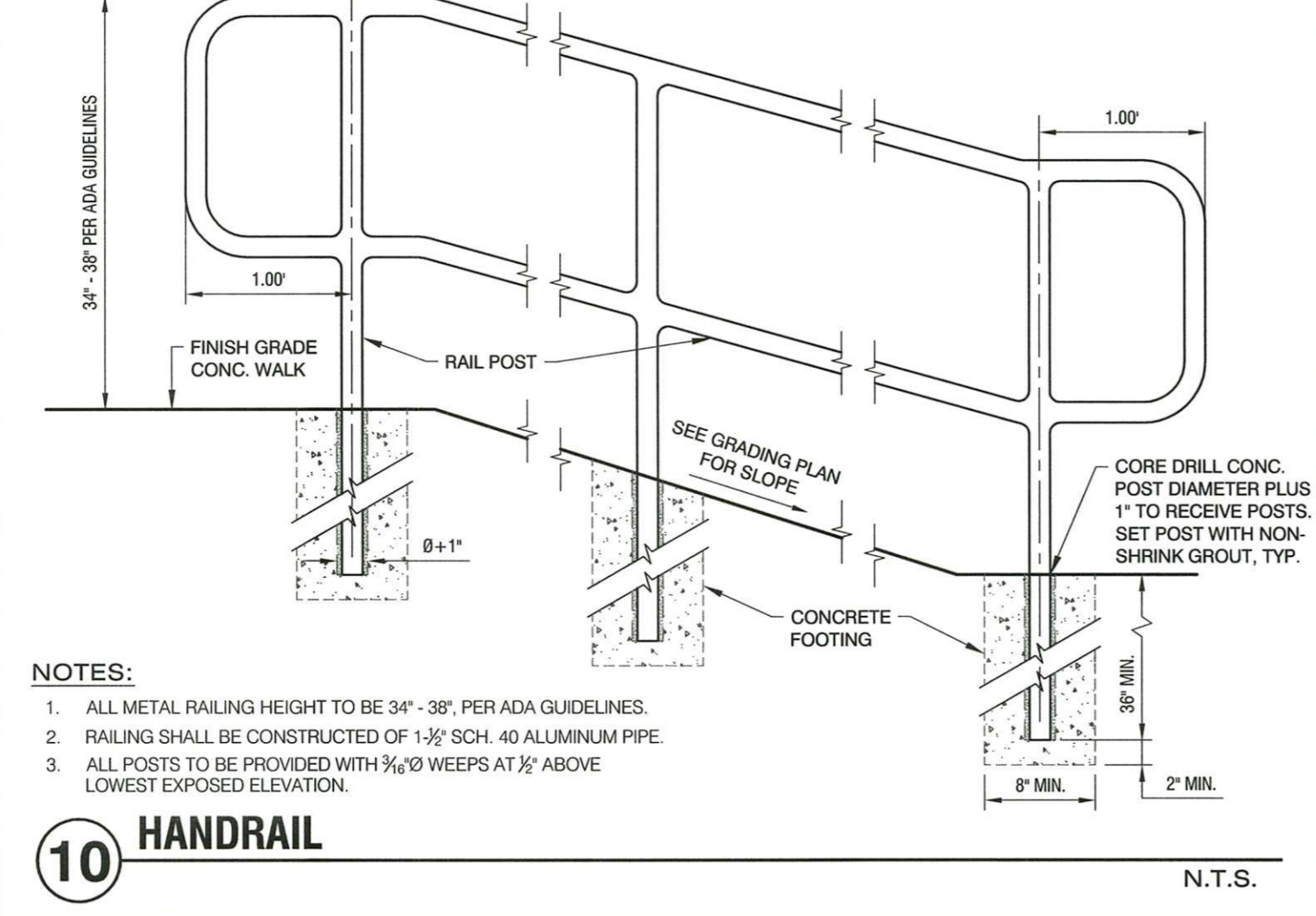
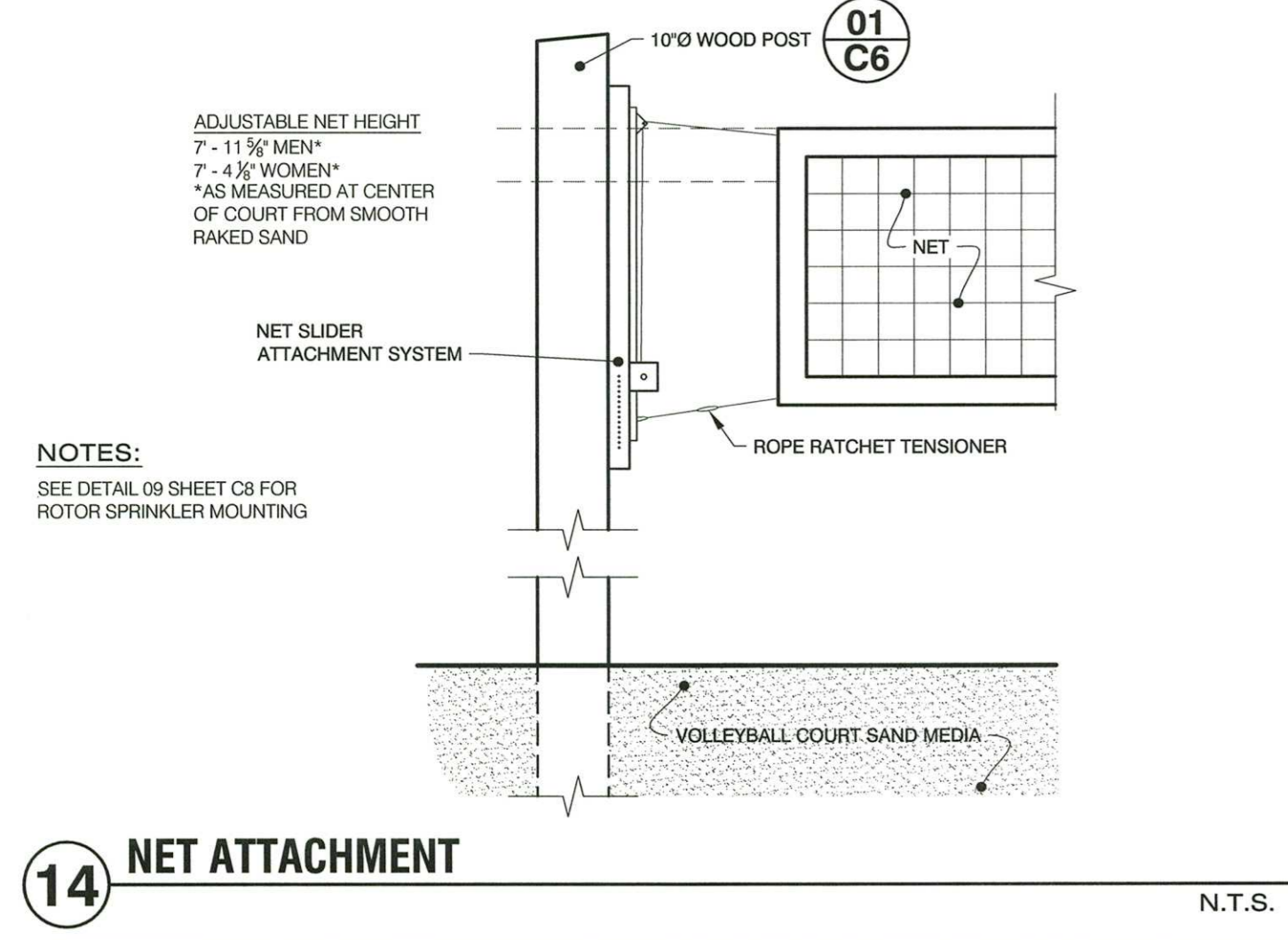
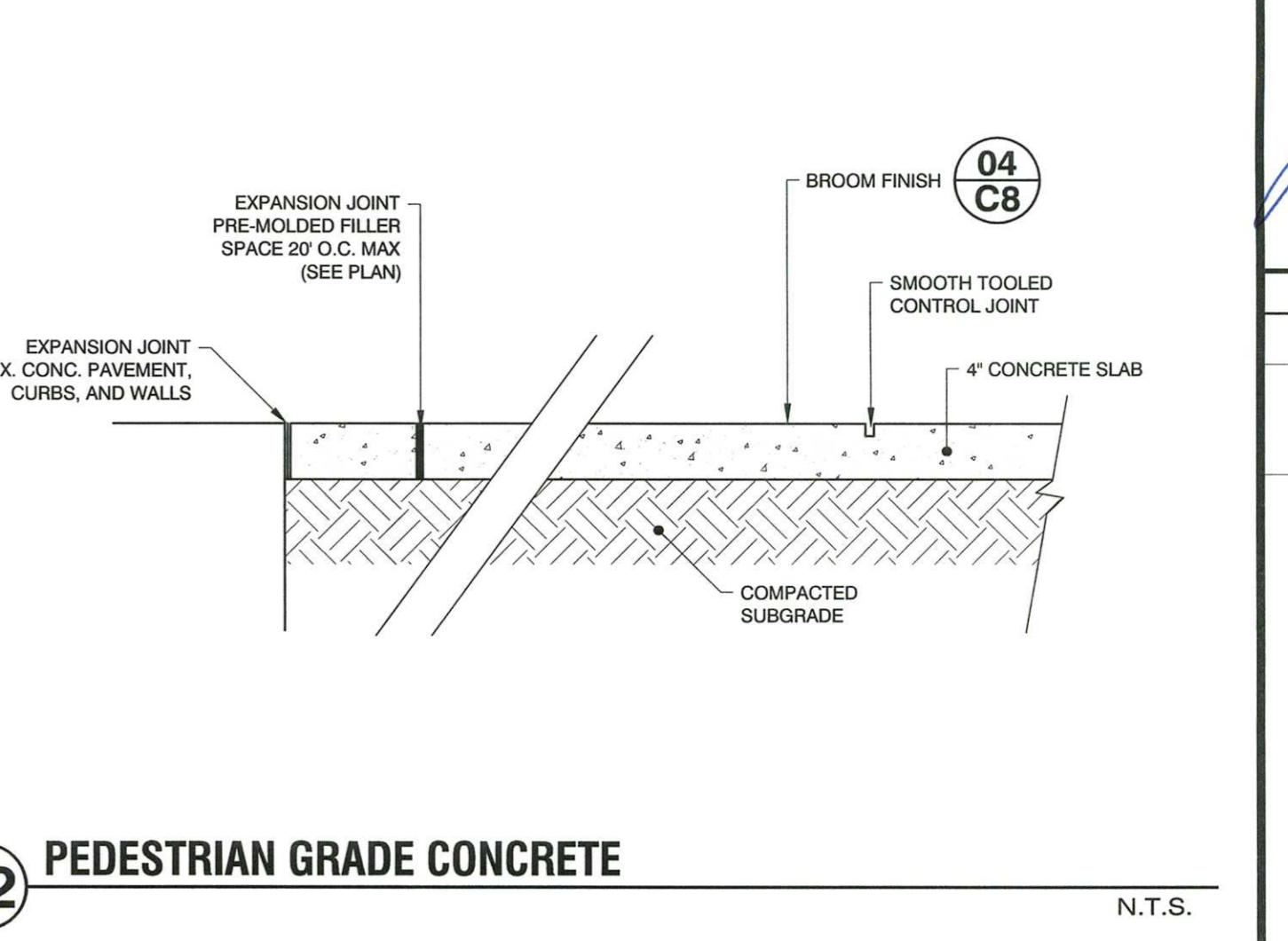
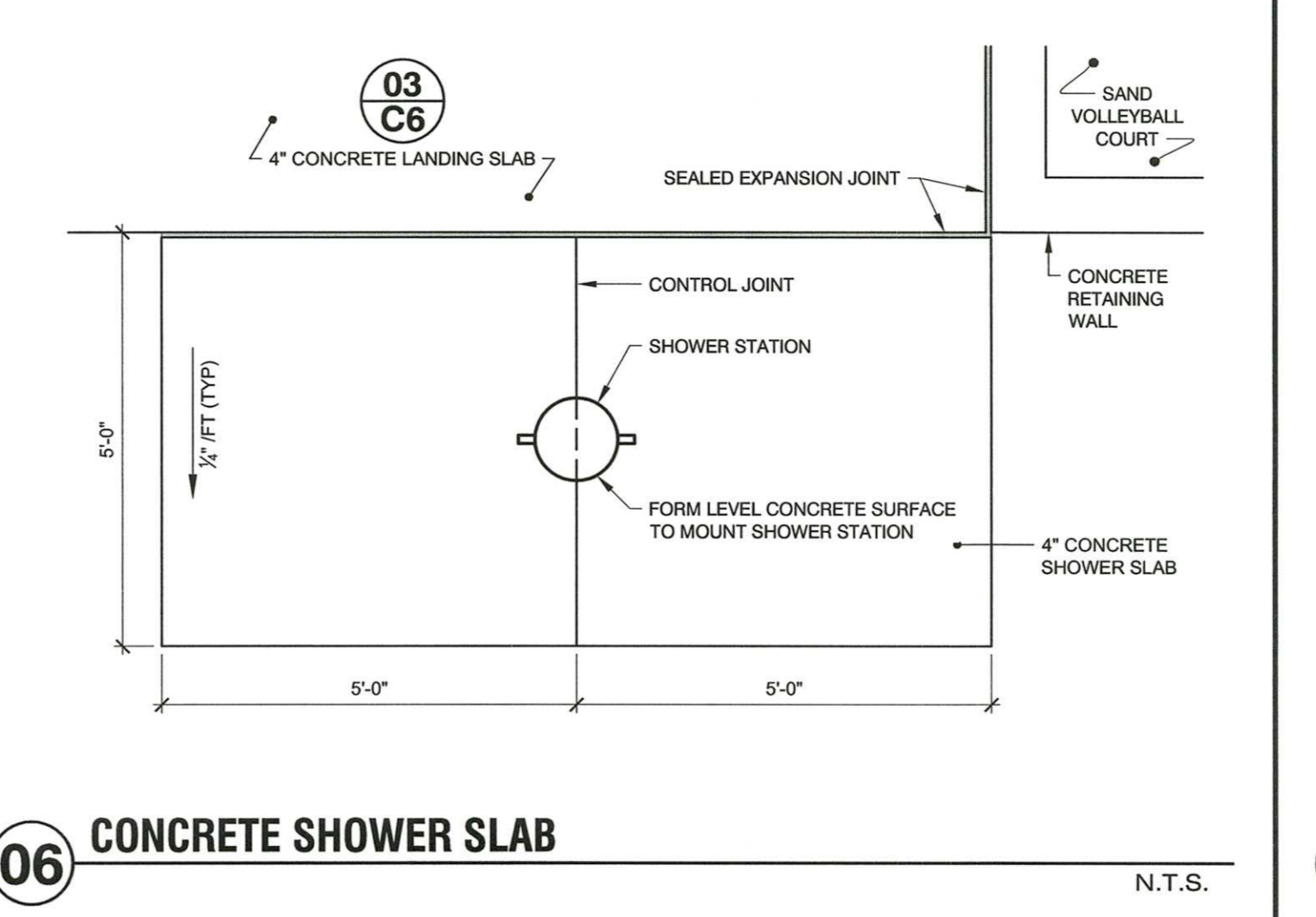
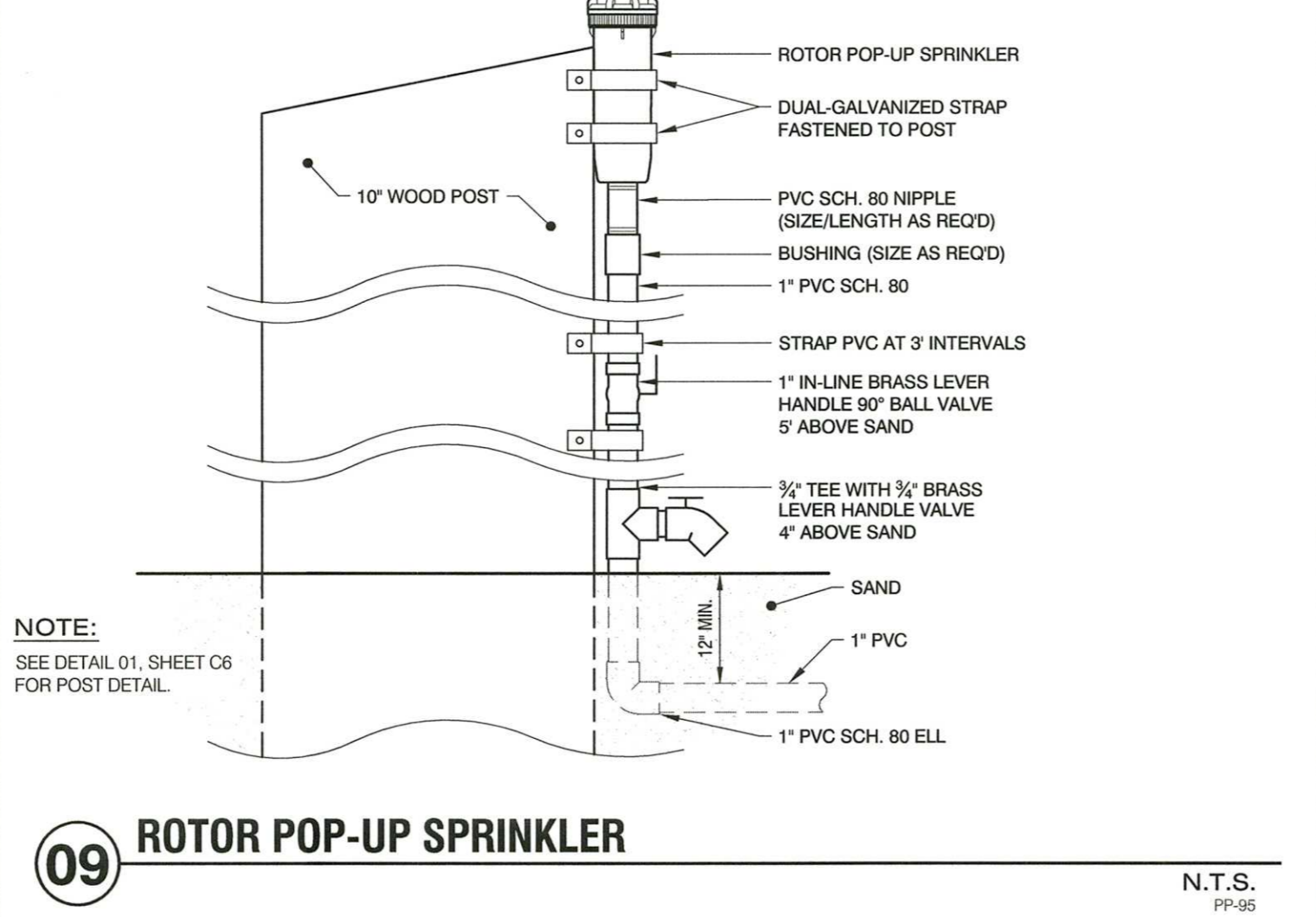
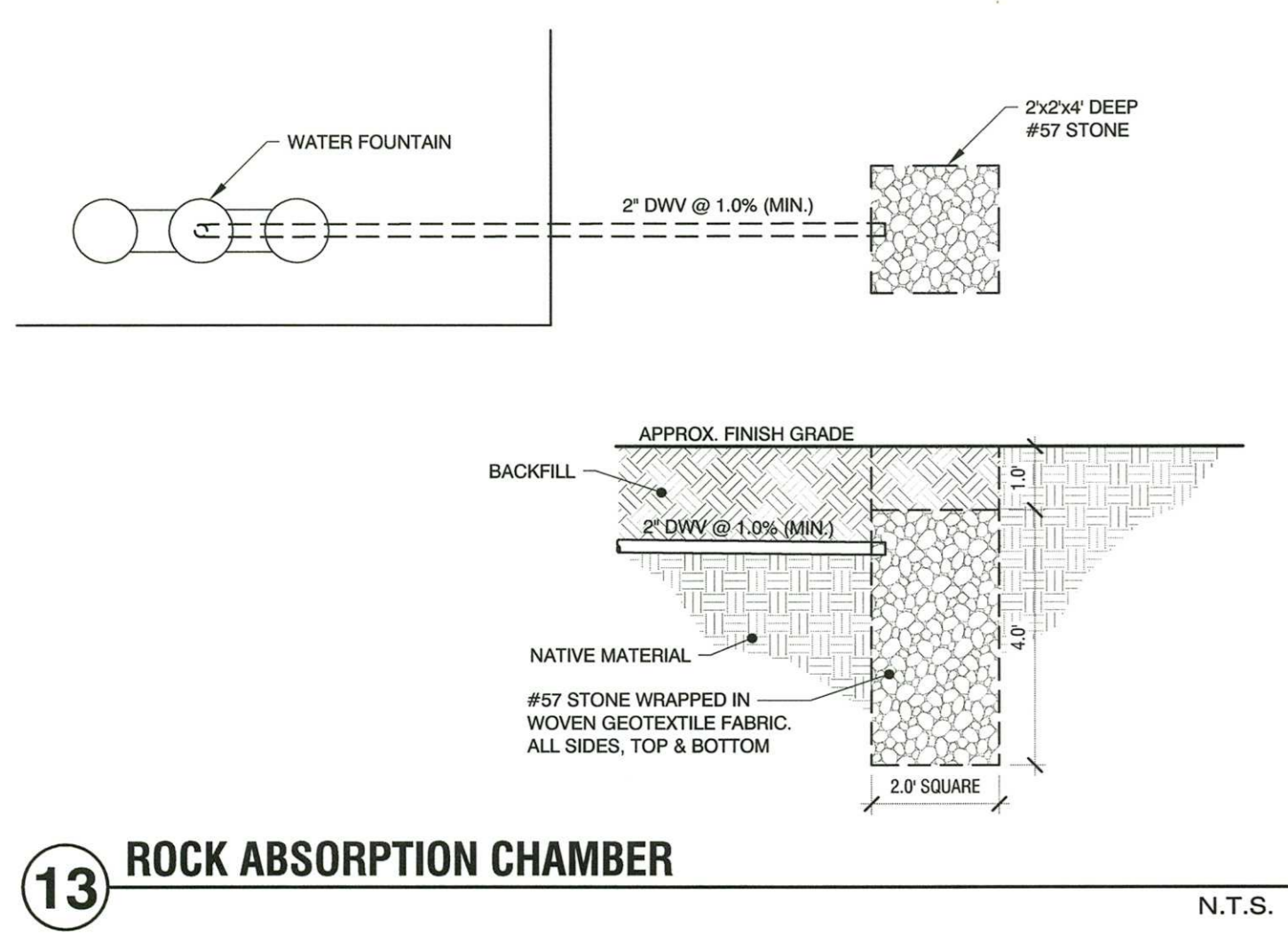
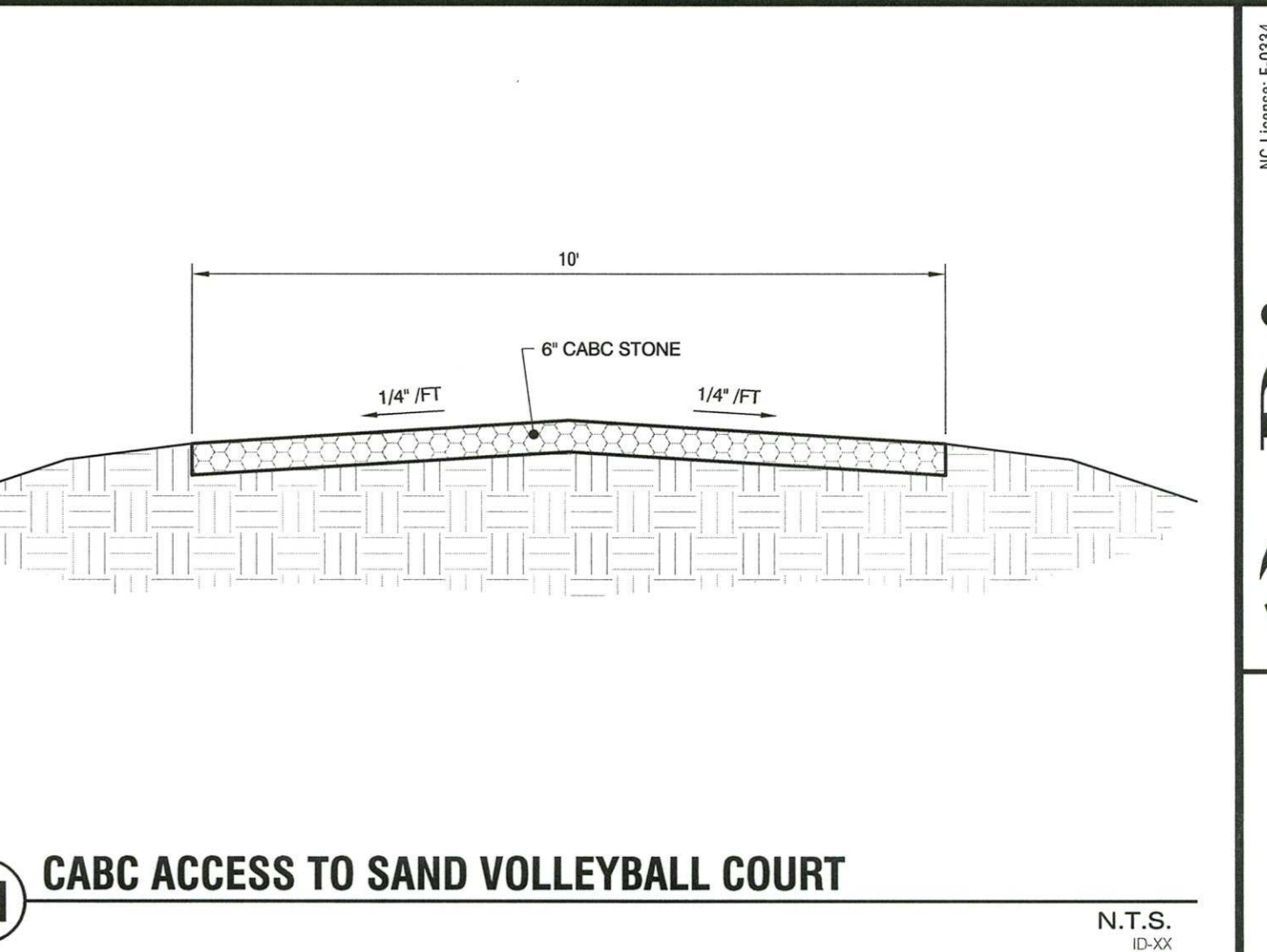
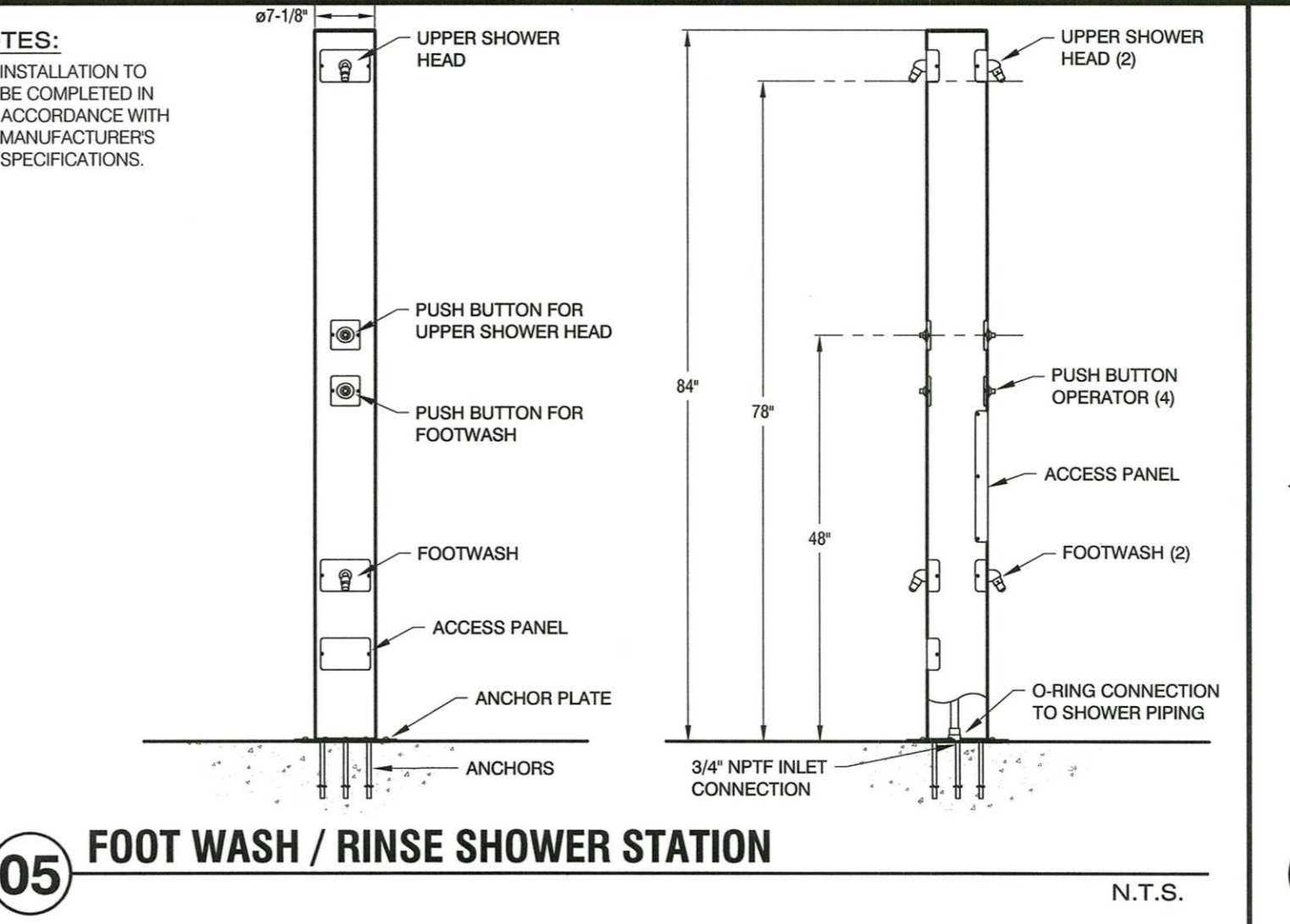
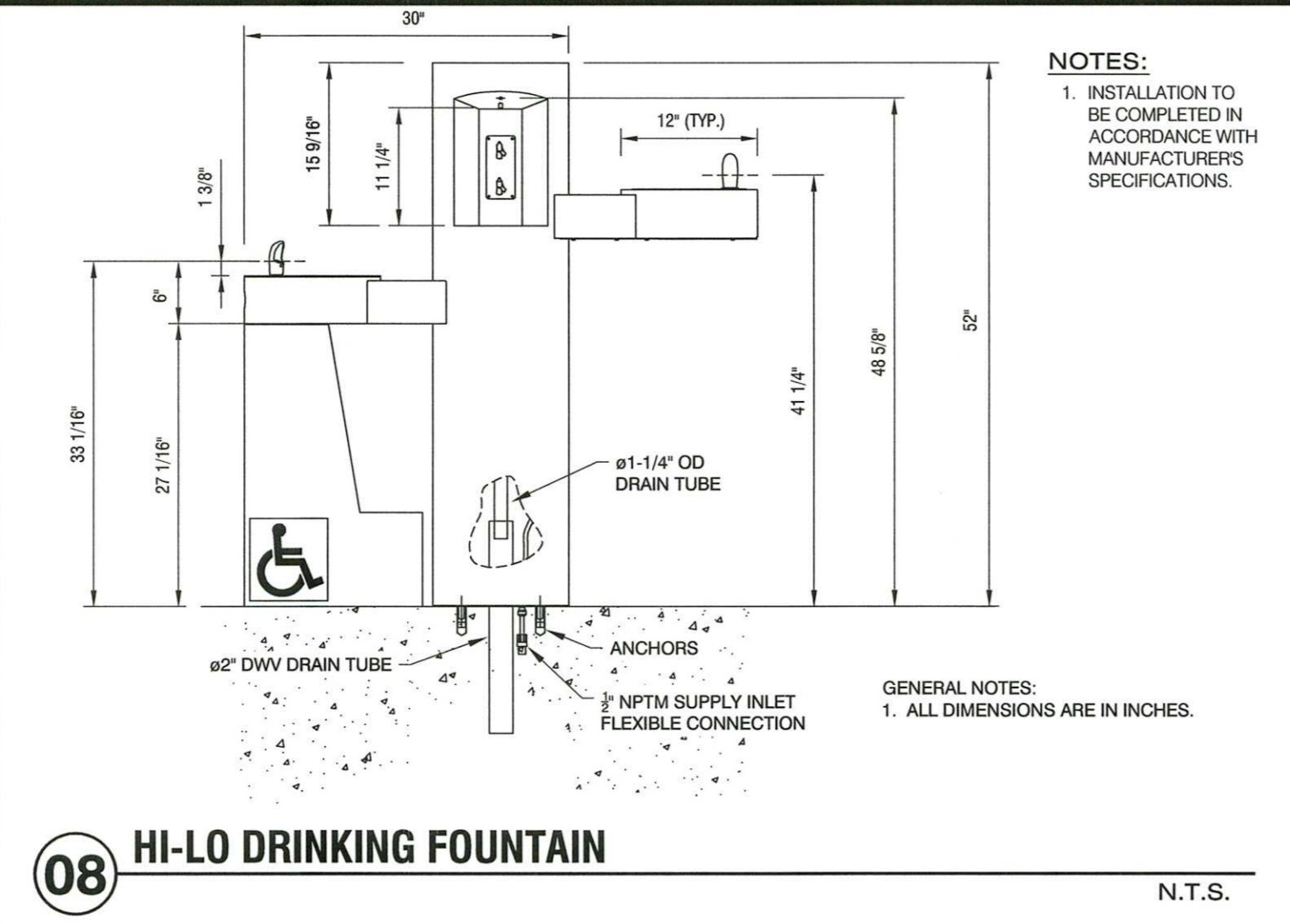
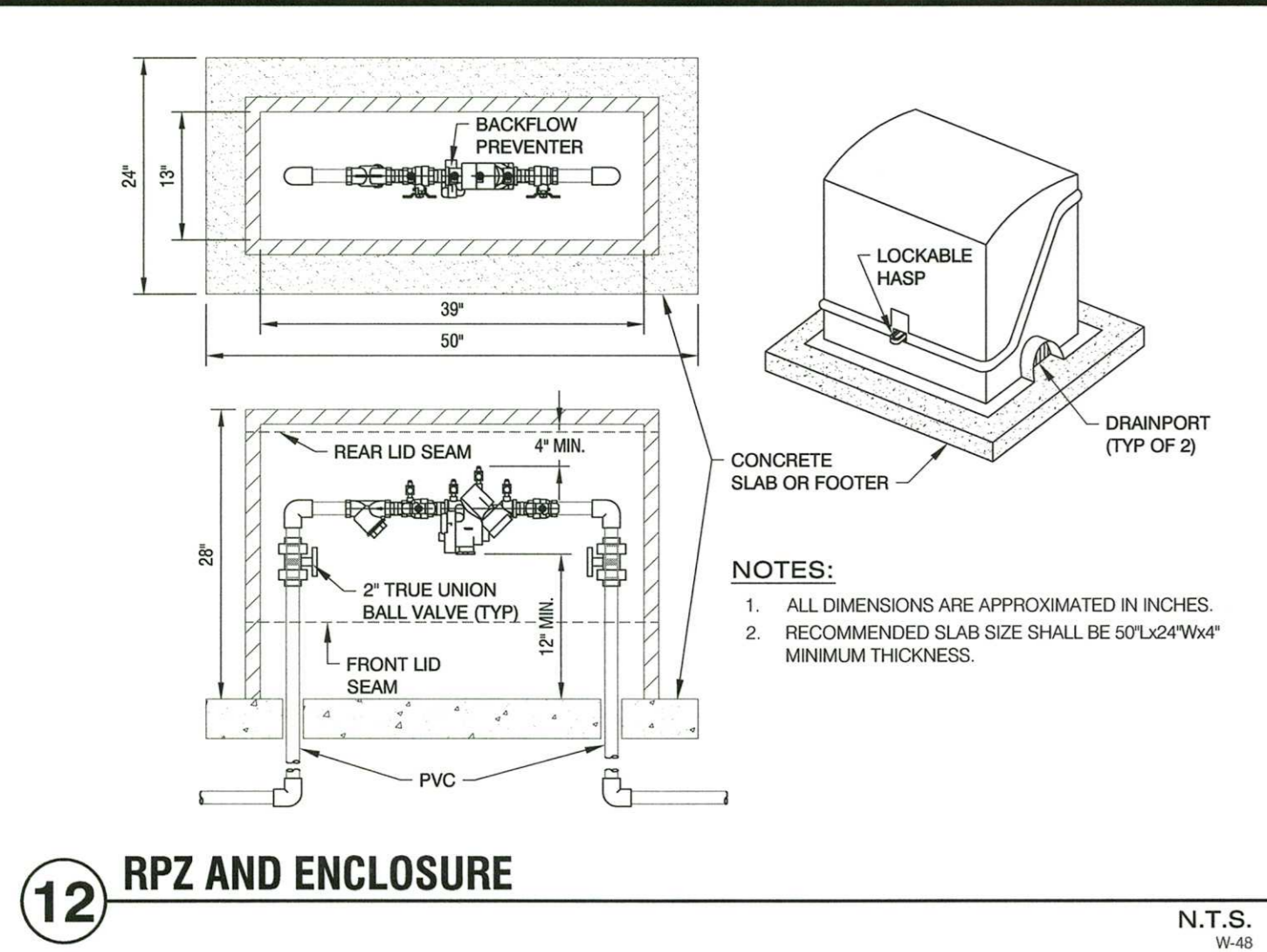
NORTH CAROLINA
 PROFESSIONAL
 SEAL
 13055
 ENGINEER
 DWIGHT MERRILL SON
 10-18-19

REVISIONS:	
NO.	DESCRIPTION

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE ~ PITT COUNTY ~ NORTH CAROLINA
FENCE DETAILS

DATE:	October 18, 2019
DESIGNED BY:	KR/MG
DRAWN BY:	KR/LC
CHECKED BY:	MG/JDV
PROJECT No.:	2017115.12
DRAWING No.:	W-3845-CD
SCALE:	AS NOTED
SHEET No.:	

C7



REVISIONS:

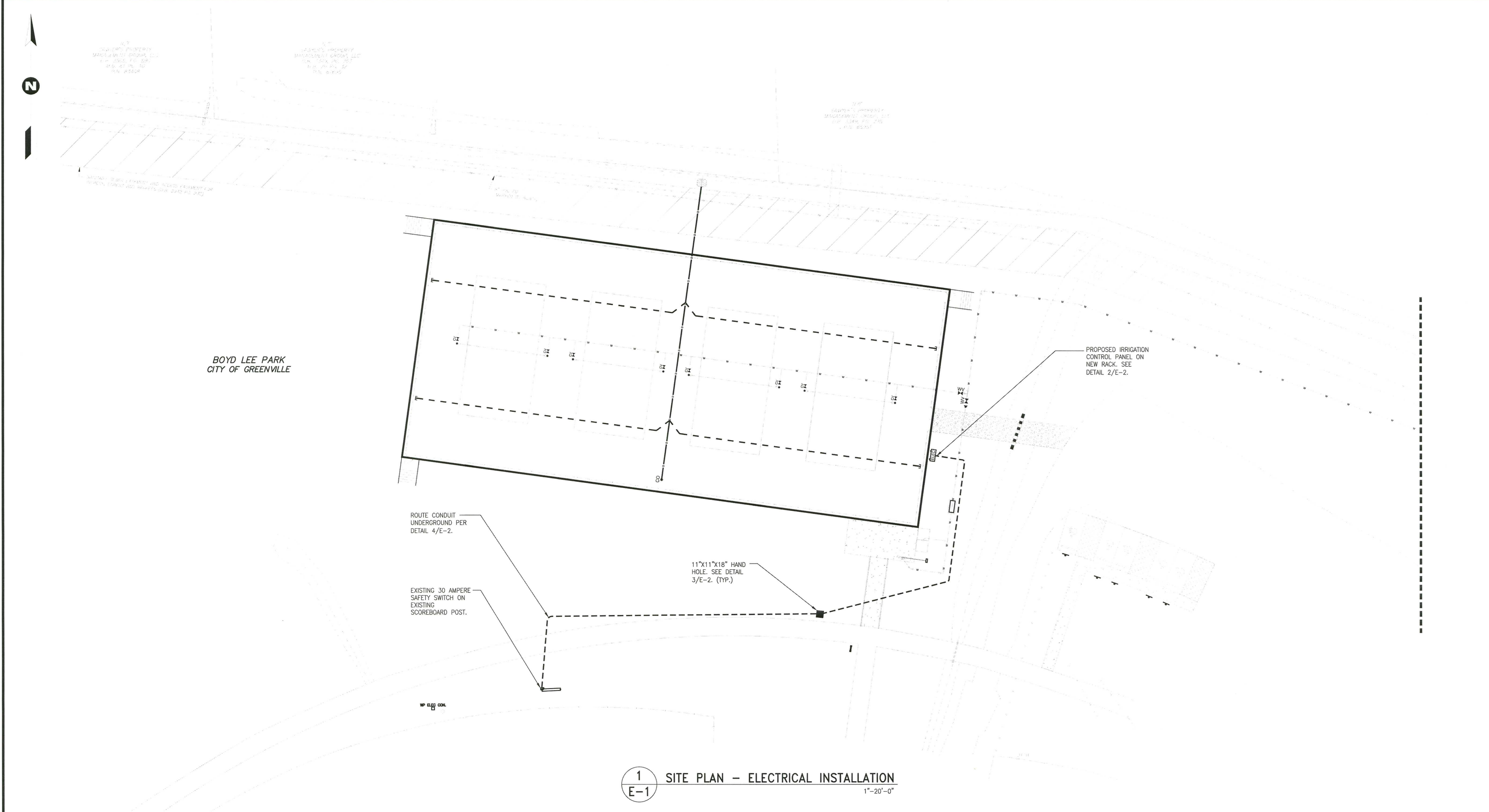
NO.	DESCRIPTION	DATE	BY

REVISIONS:		
NO.	DESCRIPTION	DATE / BY

CITY OF GREENVILLE
Boyd Lee Park Volleyball Courts
 CITY OF GREENVILLE - PITT COUNTY - NORTH CAROLINA
ELECTRICAL - SITE PLAN

DATE: August 21, 2019
 DESIGNED BY: REP
 DRAWN BY: WAW
 CHECKED BY: REP
 PROJECT No. 2017115.12
 DRAWING No. W-3845-CD
 SCALE: AS NOTED
 SHEET No.

E1



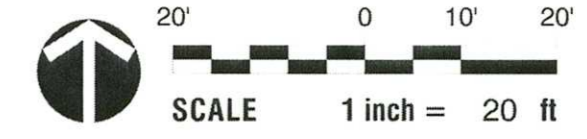
ELECTRICAL LEGEND

- | | | | |
|---------|---|------|--|
| --- | DIRECT BURIAL UNDERGROUND CONDUIT | □ | CONDUIT AND CABLE IDENTIFICATION |
| - - - - | NEW WIRE & CONDUIT | △ | LIGHTING FIXTURE IDENTIFICATION |
| — | EXISTING WIRE AND CONDUIT | GFCI | GROUND FAULT CURRENT INTERRUPTING |
| × × × × | EXISTING WIRE AND CONDUIT TO BE REMOVED. REMOVE WIRE COMPLETELY. REMOVE CONDUIT ABOVE GRADE. ABANDON CONDUIT BELOW GRADE. | AH | CIRCUIT HOME RUN W/ ONE UNGROUNDED ONE NEUTRAL & ONE GROUNDING CONDUCTOR |
| □ | EXISTING EQUIPMENT TO REMAIN | □ | HD SAFETY SWITCH |
| ▨ | EXISTING EQUIPMENT TO BE RELOCATED | □ | JUNCTION BOX |
| ■ | NEW EQUIPMENT | 20 | CIRCUIT BREAKER AND AMPERAGE |
| ◻ | EXISTING EQUIPMENT TO BE REMOVED | | |

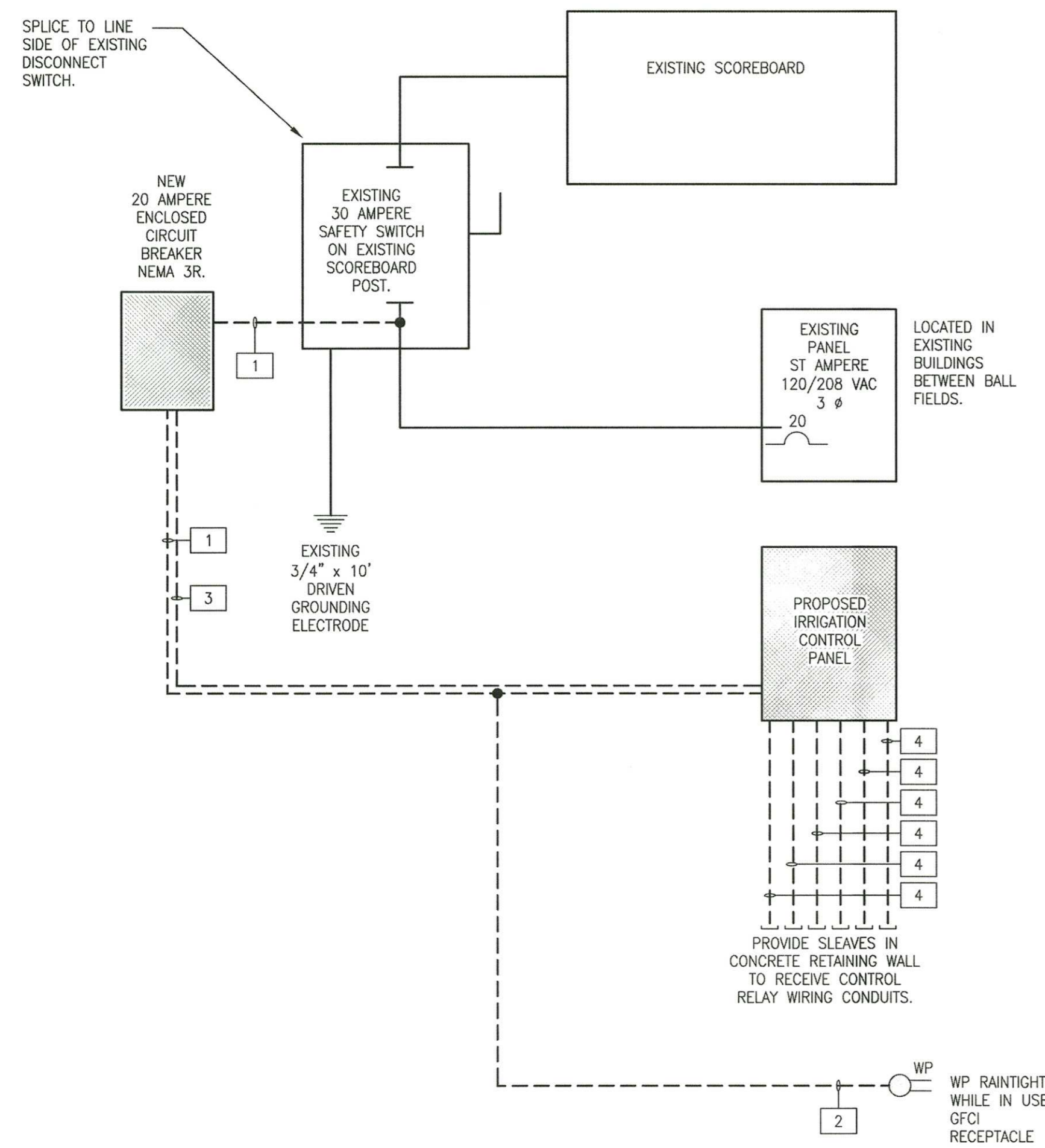
GENERAL ELECTRIC NOTES:

- ALL WORK SHALL CONFORM TO THE 2017 EDITION OF THE NATIONAL ELECTRIC CODE, OSHA, NATIONAL ELECTRIC SAFETY CODE, AND ALL APPLICABLE LOCAL & STATE CODES.
- USE RIGID GALVANIZED CONDUIT WITH PVC JACKET EXTERIOR ABOVE GRADE. USE SCH 40 PVC CONDUIT DIRECT BURIAL BELOW GRADE.
- PROVIDE PULL WIRE IN SPARE CONDUITS. USE COUPLING AND PLUG TO CAP UNDERGROUND STUB UPS.
- ALL WIRE TO BE COPPER. ALL INSULATION TO BE THHN/THWN.
- VOLTAGE: SYSTEM VOLTAGE IS 120/208 VAC SINGLE PHASE.
- MAINTAIN SEPARATION AND ISOLATE NEUTRAL AND EQUIPMENT GROUNDING BEYOND SERVICE ENTRANCE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LUG SIZES FOR PANELS AND SERVICE ENTRANCE EQUIPMENT TO MATCH WIRE SIZES SPECIFIED.

Ronald E. Pledger
 NORTH CAROLINA REGISTERED ENGINEER
 SEAL C-0416
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 11654
 RONALD E. PLEDGER
 8/15/2019 #1536 LD6294



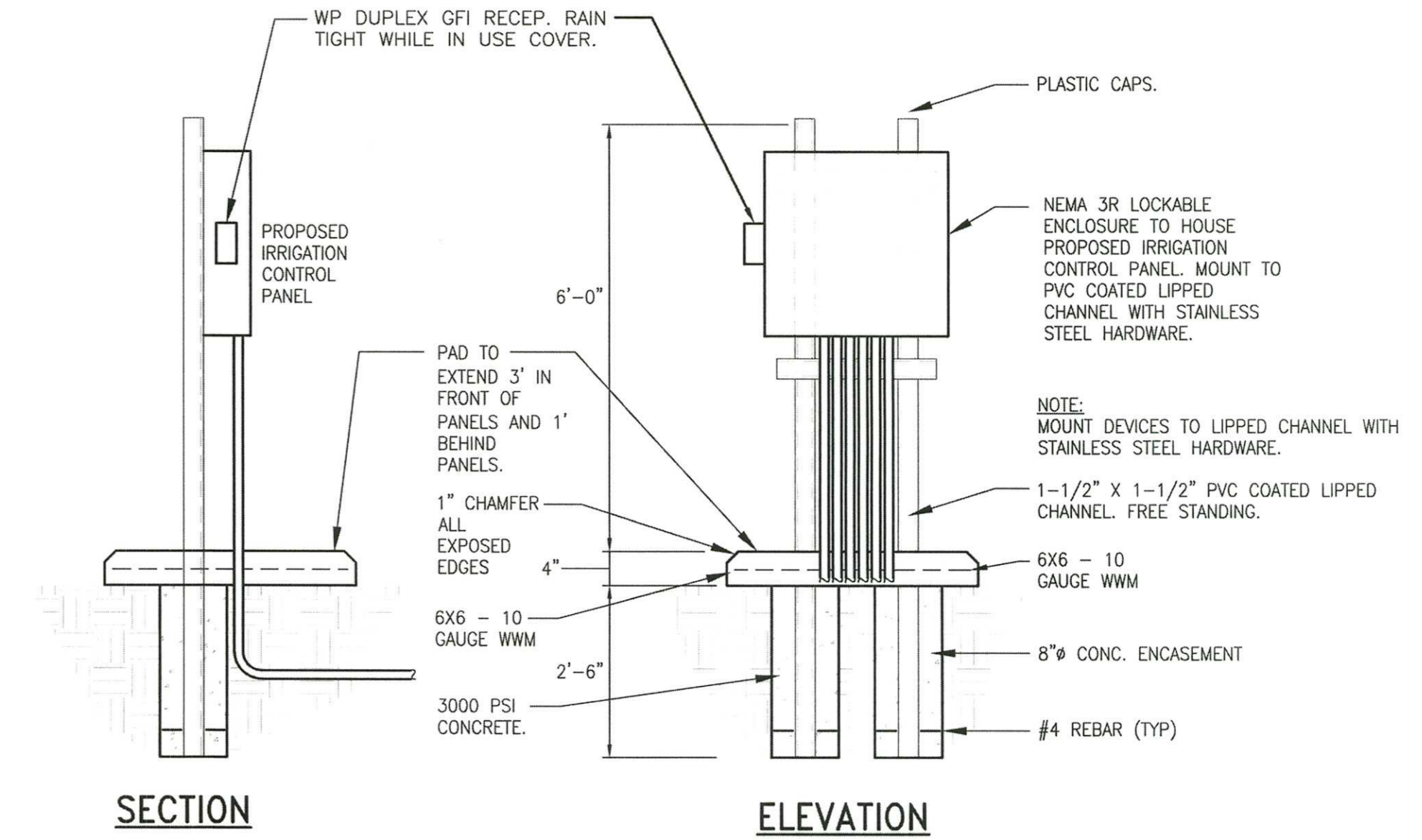
DESIGN BY:
DIBBLE & PLEDGER, P.A.
 222 WEST MAIN STREET, WASHINGTON, N.C. 27889
 PHONE : (252) 946-3320 FAX: (252) 946-5160
 E-MAIL: rpledger@dibbleandpledger.com



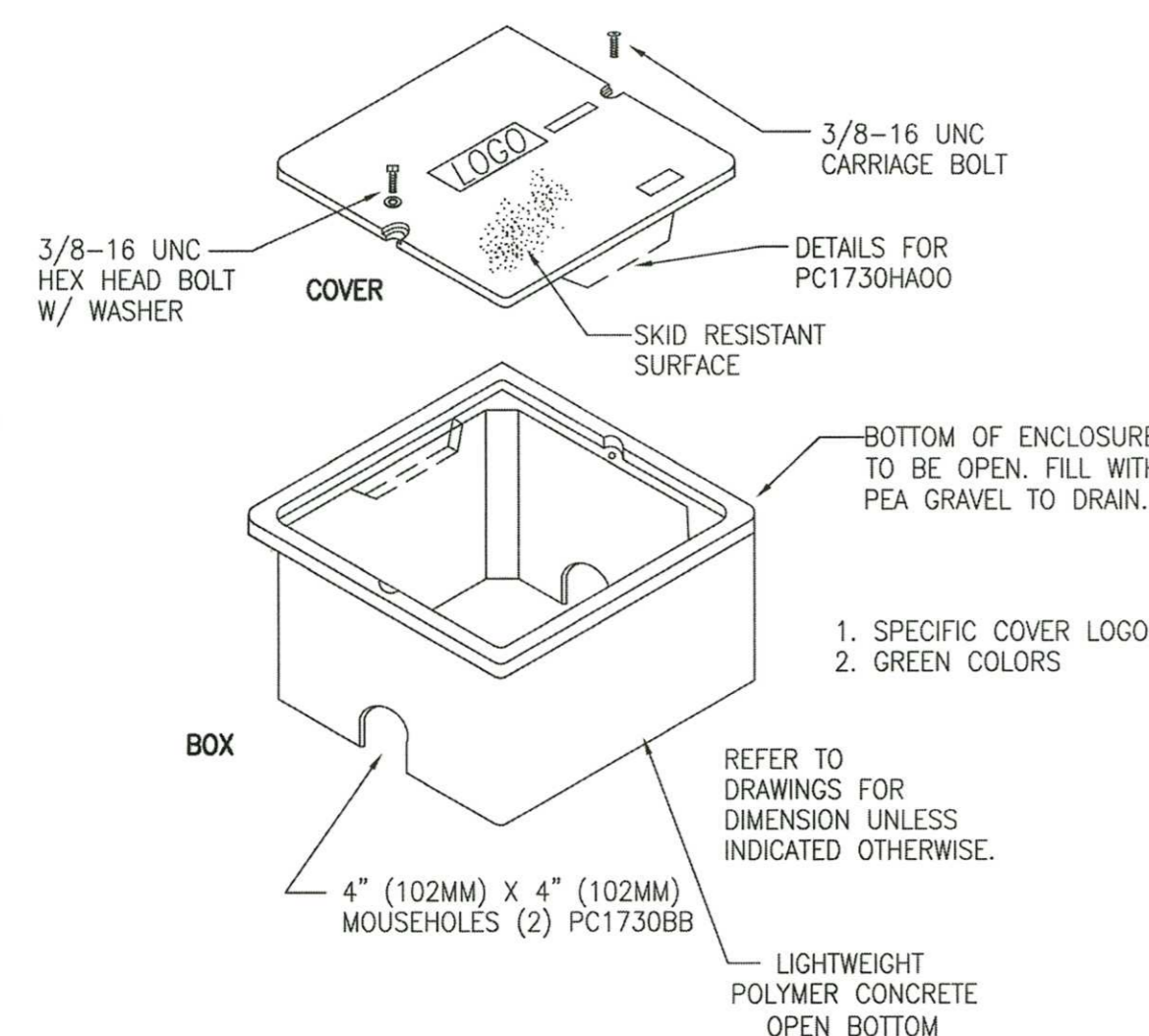
1
E-2 ONE LINE DIAGRAM - ELECTRICAL
NTS

CONDUIT & CABLE SCHEDULE
ALL CONDUCTORS TO BE COPPER

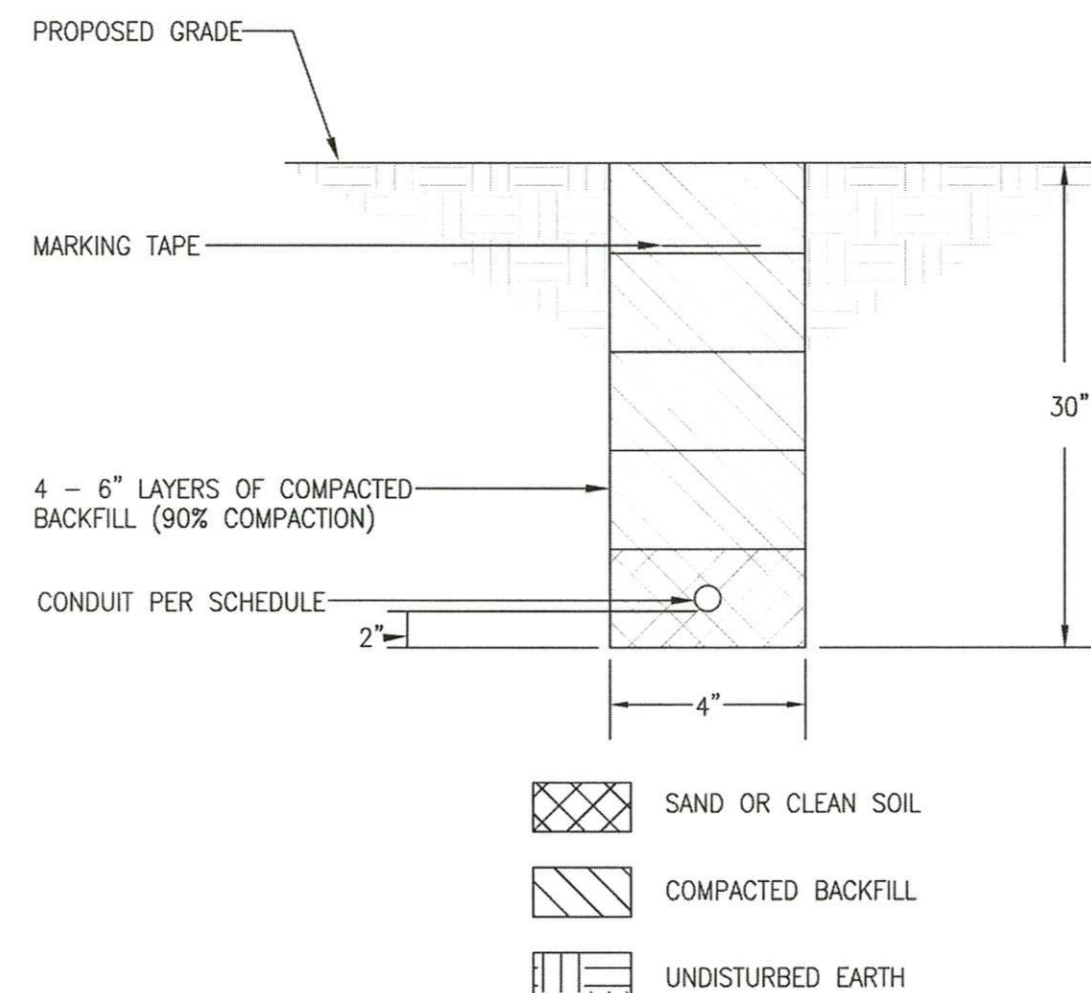
1	1 #10 AWG Cu THHN/THWN UNGROUNDED CONDUCTOR
1	1 #10 AWG Cu THHN/THWN NEUTRAL CONDUCTOR
1	1 #10 AWG Cu THHN/THWN GROUNDING CONDUCTOR
	3/4" CONDUIT
2	1 #12 AWG Cu THHN/THWN UNGROUNDED CONDUCTOR
1	1 #12 AWG Cu THHN/THWN NEUTRAL CONDUCTOR
1	1 #12 AWG Cu THHN/THWN GROUNDING CONDUCTOR
	3/4" CONDUIT
3	3/4" SPARE CONDUIT
4	3/4" CONDUIT FOR IRRIGATION CONTROL WIRING.



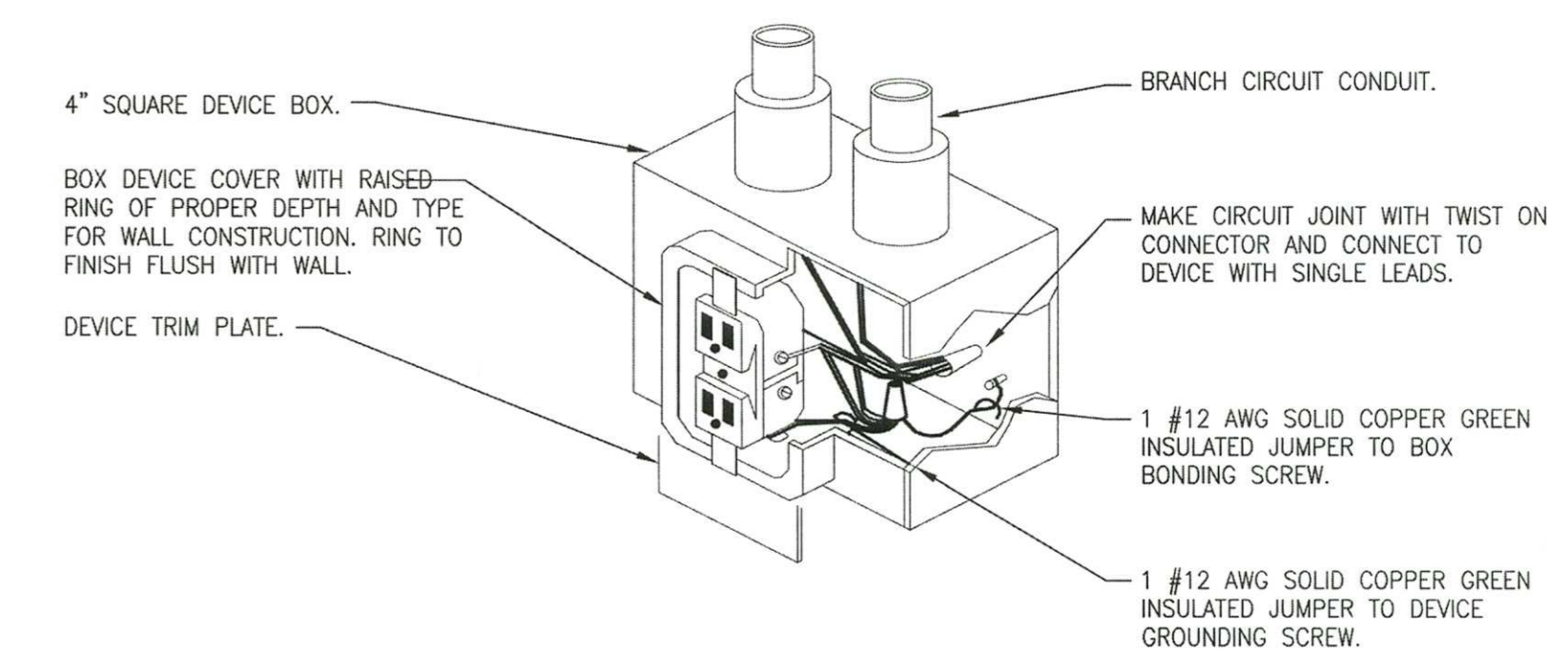
2
E-2 EQUIPMENT STATION MOUNTING RACK
N.T.S.



3
E-2 CONCRETE POLYMER HANDHOLE
11\"/>



4
E-2 TRENCH DETAIL
NTS



5
E-2 RECEPTACLE GROUNDING DETAIL
NTS

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE: August 21, 2019

DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.:	2017115.12
DRAWING No.:	W-3845-CD
SCALE:	AS NOTED