

# CITY OF WILSON TENNIS/PICKLEBALL FACILITY J. BURT GILLETTE ATHLETIC COMPLEX 3238 CORBETT AVE. WILSON, NC

NOTE: REGULATORY WETLANDS HAVE BEEN DELINEATED WITHIN THE PROJECT AREA ON THIS PROPERTY. IMPACTS TO WETLANDS (USACOE) AND BUFFER AUTHORIZATION (NCDEQ) HAS BEEN APPLIED FOR AS PART OF THIS PROJECT. 401/404 PERMITS TO BE ISSUED PRIOR TO CONSTRUCTION.

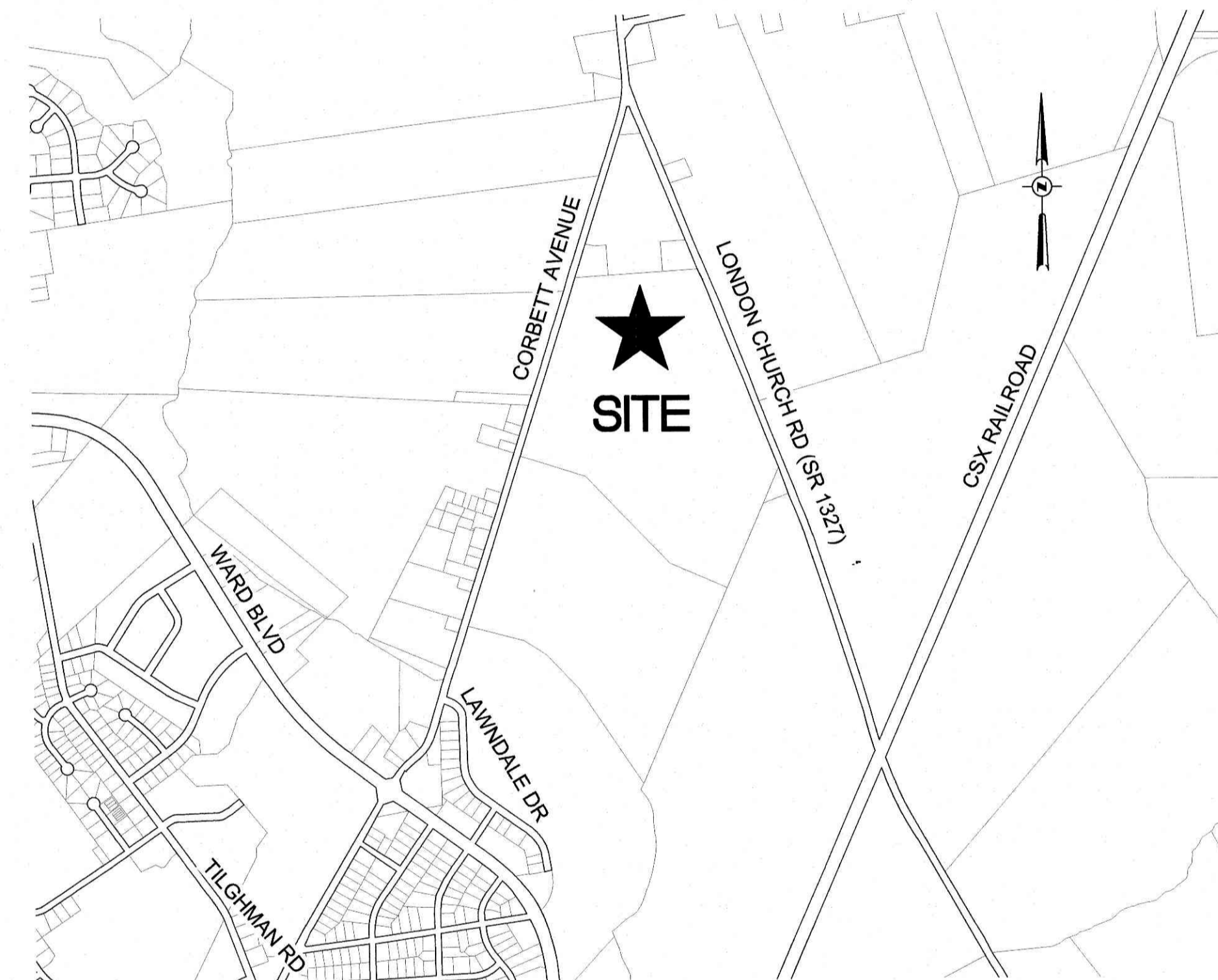
## SITE TABLE

LOT AREA (2 LOTS):	LOT 1-75.31 AND LOT 2-60.8 ACRES
LOT AREA TOTAL RECOMBINED:	136.11 ACRES
EXISTING IMPERVIOUS AREA:	706,233 SQ. FT. (16.21 ACRES) (11.91 % IMPERVIOUS AREA)
IMPERVIOUS AREA ADDITION:	BLDG/SHELTERS 6,080 SF CONCRETE/COURTS 169,609 SF DRIVE AND PARKING 72,691 SF WALKING TRACK 21,123 SF TOTAL 269,503 SF (6.19 ACRES)
TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION:	975,736 SF (22.40 AC) 16.46 % IMP.
REQUIRED PARKING:	NO REQUIREMENT
PROPOSED PARKING:	127 SPACES PLUS 6 ADA SPACES WITH ACCESSIBLE AISLES.
BUILDING HEIGHT:	<35 FT.
PROPERTY ADDRESS:	3238 CORBETT AVE.
EXISTING LAND USAGE:	PARKS & RECREATION
OWNER/DEVELOPER:	CITY OF WILSON P.O. BOX 10 WILSON, NC 27893
ZONE:	OS
PARCEL ID No.:	3722-59-7373; 3723-60-1835
REFERENCE:	DB 1362 PG 934; DB 1723 PG 701

## SITE NOTES

### NOTES:

- A PORTION OF THIS PROPERTY IS LOCATED WITHIN ZONE AE FLOOD HAZARD AREA. (MAP# 3720372200K AND MAP# 3720372300K EFFECTIVE 4/16/2013)
- REGULATORY WETLANDS WERE DELINEATED ADJACENT TO THE PROJECT AREA. NO WETLAND IMPACTS ARE PROPOSED FOR THIS PROJECT.
- ALL OUTDOOR LIGHTING SHALL BE SHIELDED IN SUCH A MANNER THAT NO DIRECT GLARE FROM THE LIGHT SOURCE CAN BE SEEN FROM A MAJOR THOROUGHFARE, AN ADJOINING ZONING DISTRICT, OR FROM ABOVE.
- ALL PARKING BUFFERS SHALL BE GRASS AND 5' IN WIDTH UNLESS OTHERWISE NOTED.
- GARBAGE PICK-UP IS BY PRIVATE COLLECTION WITHOUT A DUMPSTER.
- STANDARD R7-Bg RESERVED PARKING AND MAXIMUM PENALTY \$250 NCGS 20-37.6 SIGNS MUST BE INSTALLED IN FRONT OF THE HANDICAP PARKING SPACES. VAN ACCESSIBLE SIGN(S) MUST BE PROVIDED IN FRONT OF VAN ACCESSIBLE SPACES. (SEE DETAIL)
- ALL CURB CUTS AND/OR RAMPS MUST MEET ALL REQUIREMENTS OF ICC/ANSI A117.1-2009 AMERICAN NATIONAL STANDARD (ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES).
- ALL REQUIRED EXITS WILL NEED TO BE TREATED AS AN ACCESSIBLE ENTRANCE AND THESE EXITS MUST MEET ALL REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE AND ICC/ANSI A117.1-2009 AMERICAN NATIONAL STANDARD (ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES).
- HANDICAP ACCESS SLOPES MUST NOT EXCEED 1/4" RISE PER FOOT (PARKING AREA). MAXIMUM ACCESSIBLE RAMP SLOPE 1:12 AND RAMP RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS. HANDICAP RAMP SHALL HAVE A SLOPE NO GREATER THAN 1 IN 12.
- AN 8 FOOT WIDE ACCESS AISLE IS NEEDED FOR VAN ACCESSIBLE SPACE. ALL OTHERS CAN BE 5 FEET WIDE.
- HANDICAP SYMBOL CAN NOT BE PAINTED ON PAVEMENT. WHEEL STOPS REQUIRED WHERE PARKING ENCROACHES ON TO SIDEWALK.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE SPECIFICATIONS OF THE LOCAL GOVERNING BODY.
- UTILITIES SHOWN ON PLANS ARE LOCATED APPROXIMATELY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES AND SERVICES WHETHER SHOWN ON PLANS OR NOT.
- CONTRACTOR TO BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THESE FACILITIES IF DAMAGED.
- ALL TRAFFIC CONTROL DEVICES (PAVEMENT MARKINGS, SIGNS AND SIGNALS) SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN CONFORMANCE WITH THE STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY OF WILSON STANDARD SPECIFICATIONS. USE MOST RESTRICTIVE REGULATIONS WHEN CONFLICT EXISTS.
- CONTRACTOR TO CALL N.C.O.C.C. AT 1-800-632-4949 A MINIMUM OF 72 HOURS PRIOR TO EXCAVATION/GRADING.
- ANY TREES TO BE LOCATED NEAR NATURAL GAS FACILITIES WILL NEED TO BE PLANTED SO AS TO HAVE AS LITTLE IMPACT ON THE FACILITIES AS POSSIBLE WHEN FULLY MATURE. THE CITY WILL RESERVE THE RIGHT TO REMOVE TREES, WITHOUT ADDITIONAL TREES BEING REPLANTED, SHOULD FUTURE MAINTENANCE PROBLEMS EMERGE.



LOCATION MAP

SCALE 1" = 1000'

## CITY OF WILSON

MAYOR: CARLTON L. STEVENS  
 COUNCIL MEMBERS: GILLETTIA MORGAN  
 MICHAEL S. BELL  
 WILLIAM THOMAS FYLE  
 JAMES M. JOHNSON, III  
 DONALD I. EVANS  
 LOGAN T. LILES  
 DERRICK D. CREECH  
 CITY MANAGER: GRANT GOINGS  
 DIRECTOR OF PUBLIC SERVICES: WILLIAM T. BASS, IV

## WILSON PARKS & RECREATION:

DIRECTOR: DAVID LEE  
 PARKS MANAGER: DALE EDMONDS

LOT AREA (SQ.FT.)	MAX. % IMPERVIOUS AREA	MAX. AREA IMPERVIOUS SURFACE ALLOWED (SQ.FT.)	EXISTING IMPERVIOUS AREA (SQ.FT.)	PROPOSED IMPERVIOUS AREA (SQ.FT.)	REMAINING IMPERVIOUS AREA ALLOWED (SQ.FT.)
5,928,951	24.00%	1,422,948	706,233	975,736	447,212

Lot #	Acreage	Maximum Impervious Percentage	Undisturbed Open Space (ac)	Nitrogen Loading (lbs)	Managed Open Space (ac)	Nitrogen Loading (lbs)	Impervious Area (ac)	Nitrogen Loading (lbs)	TOTAL N Loading w/o BMP's (lbs)	Nitrogen Reduction Factor	TOTAL Nitrogen Loading with BMP's (lbs)	TOTAL Nitrogen lbs/ac/yr	Excess Nitrogen lbs/ac/yr	
1 and 2 (to be recombined)	136.110	0.240	42.480	25.488	71.230	85.476	22.400	474.880	585.844	N/A	1	585.844	4.304	0.704
Parcel Pairing Conservation Areas	61.370	0.000	0.000	0.000	61.370	73.644	0.000	0.000	73.644	N/A	0	0.000	0.000	-3.600
Totals	197.480								659.488			585.844		
Total Development Acreage												197.48		
TOTAL NITROGEN (LBS)												585.844		
TOTAL NITROGEN (LBS/ACRE/YR)												2.967		
EXCESS NITROGEN (LBS/AC/YR)												-0.633		
EXCESS NITROGEN (LBS)												-3752.52		
(LESS THAN 3.6; NO REDUCTION OR BUYDOWN REQUIRED)														

## SHEET INDEX

### SHEET INDEX:

- 1 - COVER
- 2 - GENERAL CONSTRUCTION NOTES AND CALCULATIONS
- 3 - EXISTING CONDITIONS
- 4 - SITE PLAN
- 5 - ENTRANCE DRIVE PLAN AND WATERLINE PLAN AND PROFILE
- 6 - SANITARY SEWER PLAN AND PROFILE
- 7 - SITE GRADING PLAN
- 8 - DETAILED GRADING PLAN
- 9 - PHASE 1 SEDIMENTATION AND EROSION CONTROL PLAN
- 10 - PHASE 2 SEDIMENTATION AND EROSION CONTROL PLAN
- 11 - 17 DETAILS

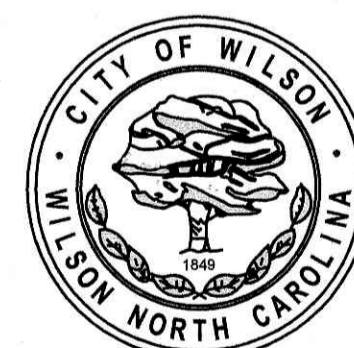
Q=CIA	1998		2023	
	PREDEVELOPMENT CONDITIONS	PROPOSED CONDITIONS	PROPOSED CONDITIONS	"C" VALUE
TOTAL ACRES	136.11	136.11		
CROPLAND	75.26	0.00	0.5	
WOODED PERVIOUS	59.23	42.15	0.25	
MANAGED PERVIOUS	0.00	71.56	0.35	
IMPERVIOUS AREA	1.62	22.4	0.9	
COMPOSITE "C" VALUE	0.40	0.41		
INTENSITY (I)	7.2	7.2		
RUN-OFF (CFS)	388.05	401.35		
3.43% INCREASE (NO FLOW CONTROL REQUIRED)				

### COMPLIANCE STATEMENT

5. AND 6. CERTIFICATE OF APPROVAL UNDER NEUSE RIVER BASIN STORMWATER PROTECTION PROGRAM FOR NITROGEN REMOVAL REGULATIONS
- I CERTIFY THAT THE (PLAN/DEVELOPMENT PLAN) SHOWN HEREON IS EXEMPT FROM THE PEAK FLOW REQUIREMENTS SINCE THE INCREASE IN PEAK FLOW BETWEEN PRE- AND POST-DEVELOPMENTS IS LESS THAN 10%
- I CERTIFY THAT THE (PLAN/DEVELOPMENT PLAN) SHOWN HEREON COMPLIES WITH THE NEUSE RIVER BASIN STORMWATER PROGRAM FOR NITROGEN REMOVAL REGULATIONS FOR THE CITY OF WILSON
- PUBLIC SERVICES / STORMWATER DATE
8. THIS PLAN/DEVELOPMENT PLAN IS IN THE WS3-P WATERSHED DISTRICT AND THE DEVELOPER IS USING THE LOW DENSITY OPTION OF 24% IMPERVIOUS.
12. CERTIFICATE OF APPROVAL UNDER WATERSHED PROTECTION REGULATIONS.
- I CERTIFY THAT THE (PLAN/DEVELOPMENT PLAN) SHOWN HEREON COMPLIES WITH THE WATERSHED PROTECTION REGULATIONS FOR THE CITY OF WILSON
- PUBLIC SERVICES / WATERSHED ADMINISTRATOR DATE

NO ADDITIONS, DELETIONS, CHANGES OR MODIFICATIONS WERE MADE TO THIS PLAN OTHER THAN THOSE REQUESTED BY THE CITY OF WILSON TECHNICAL REVIEW COMMITTEE.

ENGINEER/SURVEYOR/ARCHITECT SIGNATURE & SEAL DATE



## GREEN ENGINEERING

WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT

NC FIRM LICENSE: P-0115  
 303 GOLDSBORO ST. E. P.O. BOX 609 WILSON, N.C. 27893  
 TEL (252) 237-5365 FAX (252) 243-7489 OFFICE @ GREENENG.COM



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**GENERAL CONSTRUCTION NOTES**

**GENERAL CONSTRUCTION NOTES**

- 1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN FULL CONFORMANCE WITH THE CITY OF WILSON'S MANUAL OF SPECIFICATIONS, STANDARDS & DESIGN (MS&D). CONTRACTOR SHALL PROVIDE ALL UTILITIES AND PRODUCT SUBMITTALS FOR REVIEW, COMMENT AND APPROVAL PRIOR TO PURCHASE.
- 2. THIS PROJECT IS LOCATED ENTIRELY ON PROPERTY OWNED BY THE CITY OF WILSON.
- 3. THE CONTRACTOR SHALL CALL NC811 TO LOCATE AND HAVE LOCATED ALL EXISTING UTILITIES IN AND ADJACENT TO THE PROJECT AREA PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES.
- 4. THERE WILL BE THREE MEANS OF ACCESS TO THE PROJECT SITE AS FOLLOWS:
  - a. CORBETT AVENUE ON THE WEST SIDE OF THE SITE.
  - b. LONDON CHURCH ROAD ON THE EAST SIDE OF THE SITE.
  - c. GILLETTE ATHLETIC COMPLEX EXISTING INTERNAL DRIVES ON THE SOUTH SIDE OF THE SITE.
  - d. CONTRACTORS ARE ENCOURAGED TO UTILIZE THE CORBETT AVENUE AND LONDON CHURCH ROAD CONSTRUCTION ENTRANCES IN AN EFFORT TO MINIMIZE THE CONSTRUCTION TRAFFIC ACTIVITIES WITHIN AND AROUND THE GILLETTE ATHLETIC COMPLEX'S EXISTING AMENITIES.
  - e. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES AT CONSTRUCTION ENTRANCE LOCATIONS, THE COST OF WHICH WILL BE INCIDENTAL TO THE CONTRACT.
- 5. SEDIMENTATION / EROSION CONTROL MEASURES ARE TO BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS OR DEEMED NECESSARY BY THE ENGINEER OR CITY IN THE FIELD.
- 6. ALL CLEARED AND GRUBBED MATERIAL SHALL BE REMOVED FROM THE SITE. NO ON-SITE DISPOSAL WILL BE ALLOWED.
- 7. ALL EXCAVATED TOPSOIL SHALL BE STOCKPILED ON SITE AND REDISTRIBUTED, AT A MINIMUM OF 4 INCHES, TO ALL OPEN SPACES AND PLANTER BEDS WITHIN THE PLAZA AREA PRIOR TO THE COMPLETION OF THE PROJECT.
- 8. GREEN ENGINEERING WILL PROVIDE CONSTRUCTION STAKING FOR ALL SITE IMPROVEMENTS.
- 9. GREEN ENGINEERING SHALL PROVIDE ALL THIRD-PARTY MATERIALS TESTING SERVICES WHERE REQUIRED.
- 10. A DIGITAL FILE WITH THE EXISTING AND PROPOSED SURFACE WILL BE AVAILABLE TO THE CONTRACTOR FOR REVIEW AND APPROVAL.
- 11. ALL SEDIMENTATION / EROSION CONTROL MEASURES SHALL BE REMOVED FROM THE SITE ONCE VEGETATION HAS BEEN ESTABLISHED.

**ENTRANCE ROAD**

- 1. THE ENTRANCE ROAD WILL BE 25' B-B WITH A 24-INCH CONCRETE CURB AND GUTTER.
- 2. THE EXISTING CURB AND GUTTER AND/OR ASPHALT TO BE REMOVED FOR ENTRANCE ROAD CONSTRUCTION SHALL BE SAW CUT.
- 3. A VALLEY CUTTER SHALL BE INSTALLED ACROSS THE ENTRANCE ROAD AT THE LOCATION OF THE EXISTING CURB AND GUTTER.
- 4. ALL EFFORTS SHALL BE MADE TO SALVAGE THE EXISTING TREE AT THE BEGINNING OF ENTRANCE ROAD, EAST SIDE.
- 5. THERE WILL BE INSTALLED ON THE EAST SIDE OF THE ENTRANCE ROAD A CONCRETE SIDEWALK 5 FEET IN WIDTH AND 4 INCHES THICK. THIS SIDEWALK WILL NOT HAVE AN ABC OR CRUSHED CONCRETE BASE AND WILL TERMINATE AT THE PROPOSED ASPHALT WALKING TRAIL (STATION 47+0.00).
- 6. HANDICAP RAMPS WILL BE INSTALLED ON EACH SIDE OF THE ENTRANCE ROAD EVEN THOUGH THERE WILL BE A SIDEWALK ON JUST ONE SIDE. THERE WILL ALSO BE A PAINTED CROSSWALK BETWEEN THE TWO RAMPS. ADDITIONAL SIDEWALKS MAY BE INSTALLED ON THE WEST SIDE OF THE ENTRANCE ROAD IN THE FUTURE.
- 7. HANDICAP RAMPS WILL ALSO BE INSTALLED AT STATION 47+10.00 AT THE LOCATION WHERE THE ASPHALT WALKING TRAIL WILL CROSS THE ENTRANCE ROAD. THIS LOCATION WILL ALSO REQUIRE A PAINTED CROSSWALK.
- 8. ALL ENTRANCE ROAD LIGHTING WILL BE PROVIDED / INSTALLED BY THE CITY. THIS INSTALLATION WILL TAKE PLACE AT SOME POINT DURING THE PROJECTS CONSTRUCTION AND COORDINATION BETWEEN THE CONTRACTOR, ENGINEER AND OWNER WILL BE REQUIRED.
- 9. THERE WILL BE A 6-INCH DIAMETER WATER MAIN INSTALLED ON THE EAST SIDE OF THE ENTRANCE ROAD BEHIND THE SIDEWALK. CONSIDERATION FOR LIGHT POLE FOUNDATIONS SHALL BE MADE DURING THE WATER MAINS INSTALLATION IN ORDER THAT A CONFLICT IS NOT CREATED.
- 10. THERE WILL BE A 3-INCH DIAMETER SANITARY SEWER FORCE MAIN LOCATED ON THE WEST SIDE OF THE ENTRANCE ROAD.
- 11. THERE SHALL BE 2 - 4 INCH CONDUITS INSTALLED UNDER THE ENTRANCE ROAD (CAPPED ON EACH END) TO SERVE AS SLEEVES FOR FUTURE IRRIGATION MAINS AND ELECTRICAL.
- 12. THERE IS CURRENTLY EXISTING A RECLAIMED WATER IRRIGATION SYSTEM THAT IS PARTIALLY CONTAINED WITHIN THE ENTRANCE ROAD CORRIDOR THAT WILL HAVE TO BE RELOCATED. CONTRACTOR SHALL SPOT LOCATE EACH OF THE 4-INCH DIAMETER RECLAIMED IRRIGATION MAINS THAT CROSS THE PROPOSED ENTRANCE ROAD. THE ENGINEER / CITY WILL THEN DETERMINE WHETHER THE EXISTING MAINS HAVE ADEQUATE COVER OR IF THEY NEED TO BE LOWERED. THE CITY OF WILSON WILL LOWER THE IRRIGATION MAINS IF REQUIRED.
- 13. THE ENTRANCE ROAD DOES CROSS AN EXISTING STREAM THAT IS SUBJECT TO THE NEUSE RIVER RIPARIAN BUFFER REGULATIONS. THE CONTRACTOR SHALL EXERCISE CARE WHILE OPERATING IN THIS AREA. A COPY OF THIS PERMIT IS INCLUDED IN THE CONTRACT DOCUMENTS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS WITH ASSOCIATED COSTS BEING INCIDENTAL TO THE CONTRACT.
- 14. THE CONTRACTOR SHALL NOTE THAT A PORTION OF THE CURB ON THE EAST SIDE OF THE ENTRANCE ROAD WILL BE TURNED DOWN (VALLEY CUTTER) FOR ACCESS TO GRASS PARKING BETWEEN THE ENTRANCE ROAD AND BASEBALL FIELD IV.
- 15. THERE IS EARTHEN MATERIAL LOCATED BEHIND THE MIRACLE FIELD CONSTRUCTION SITE THAT WILL BE UTILIZED FOR THE CONSTRUCTION OF THE ENTRANCE ROAD. ALL MATERIAL DETERMINED TO BE SUITABLE WILL BE USED IN THE STRUCTURAL SECTION OF THE ROADWAY WHILE ALL REMAINING MATERIAL (UNSUITABLE OR TOPSOIL) WILL BE UTILIZED IN SHOULDER CONSTRUCTION.
- 16. ALL STORM DRAINAGE PIPE ALONG AND UNDER THE ENTRANCE ROAD SHALL BE RCP UNLESS OTHERWISE DIRECTED BY THE ENGINEER / CITY.

**PARKING LOT**

- 1. PARKING LOT CONSTRUCTION WILL CONSIST OF 8 INCHES OF CRUSHED CONCRETE / ABC 2 INCHES OF ASPHALT SURFACE COURSE 89.59. 24 INCH CONCRETE CURB AND GUTTER AND ASSOCIATED PARKING ISLANDS.
- 2. THERE WILL BE 6 HANDICAP PARKING SPOTS DESIGNATED AT THE HEAD OF THE PARKING LOT CLOSEST TO THE PROPOSED BUILDINGS. THE ENTIRE LENGTH OF THE CURB AND GUTTER AT THIS LOCATION WILL BE TURNED DOWN FOR EASE OF ACCESS.
- 3. HANDICAP SIGNS WILL NEED TO BE PLACED IN THE PLANTER BEDS IN FRONT OF THE HC SPACES AND WILL BE INCIDENTAL TO THE CONTRACT AND SHALL BE INCLUDED IN THE UNIT PRICE OF THE ASPHALT SURFACE COURSE.
- 4. ALL PARKING LOT STRIPING WILL BE INCIDENTAL TO THE CONTRACT AND SHALL BE INCLUDED IN THE UNIT PRICE OF THE ASPHALT SURFACE COURSE.
- 5. THE PROPOSED SIDEWALK ALONG THE EAST AND WEST SIDES OF THE PARKING LOT WILL BE 6 FEET WIDE AND WILL NOT HAVE AN ABC OR CRUSHED STONE BASE. THE 6' WIDE SIDEWALK WILL TERMINATE AT THE PLAZA AREA.
- 6. ALL PARKING ISLANDS WILL BE IRRIGATED WITH RECLAIMED WATER AND WILL HAVE LIGHTING INSTALLED. THE CONTRACTOR SHALL MAKE PROVISIONS DURING THE CONSTRUCTION OF THE PARKING LOT TO EXTEND TWO (2) SETS OF 4 INCH DIAMETER CONDUITS (CAPPED ON EACH END) TO ALL PARKING ISLANDS. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF THESE SLEEVES WITH THE ENGINEER / CITY.
- 7. ALL PARKING LOT LIGHTING WILL BE PROVIDED / INSTALLED BY THE CITY. THIS INSTALLATION WILL TAKE PLACE AT SOME POINT DURING THE PROJECTS CONSTRUCTION AND COORDINATION BETWEEN THE CONTRACTOR, ENGINEER AND OWNER WILL BE REQUIRED.

**WALKING TRAIL**

- 1. THE WALKING TRAIL WILL CONSIST OF A 6" ABC / CRUSHED CONCRETE BASE 10' WIDE WITH 2 INCHES OF ASPHALT SURFACE COURSE 89.59.
- 2. ALL EXPOSED STONE BASE OUTSIDE ASPHALT WILL BE COVERED WITH TOPSOIL UPON COMPLETION OF THE WALKING TRAIL AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 3. LIGHTING ALONG THE WALKING TRAILS LENGTH IS NOT BEING CONSIDERED AT THIS TIME.

**POTABLE WATER SYSTEM**

- 1. A 6" PVC WATER MAIN WILL BE INSTALLED BY CONNECTING TO THE EXISTING 8" WATER MAIN LOCATED ON THE RIGHT SIDE OF THE ENTRANCE ROAD. CONNECTION SHALL BE BY CUT-IN SLEEVE, TEE AND 6 INCH GATE VALVE.
- 2. THERE WILL BE A SINGLE FIRE HYDRANT TO BE INSTALLED AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER / CITY DURING CONSTRUCTION. HYDRANT PUMPER NOZZLE SHALL BE INSTALLED FACING THE PARKING LOT / DRIVE.
- 3. THE WATER SERVICE EXTENDING TO THE CONVENIENCE BUILDING WILL BE A 2-INCH SERVICE LINE. A 2-INCH TAPPED PLUG SHALL BE INSTALLED ON THE 6-INCH HYDRANT TEE.
- 4. A 2-INCH METER ASSEMBLY SHALL BE INSTALLED AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER / CITY.
- 5. THE REQUIRED BACKFLOW SHALL BE INSTALLED IN THE CONVENIENCE BUILDING'S MECHANICAL ROOM AS SHOWN ON THE BUILDING DRAWINGS.
- 6. THERE WILL BE NO YARD HYDRANTS OR WATER FOUNTAINS CONNECTED TO THE POTABLE WATER MAINS AS PART OF THIS PROJECT.

**SANITARY SEWER SYSTEM**

- 1. THE SITE WILL BE SERVED WITH A 6" SERVICE LINE FROM THE CONCESSIONS BUILDING TO A PREFABRICATED DUPLEX GRINDER PUMP STATION LOCATED BETWEEN THE PARKING LOT AND THE CROQUET COURT.
- 2. THE CONTRACTOR SHALL VERIFY THE 6 INCH SEWER SERVICE LINE INVERT LEAVING THE CONCESSIONS BUILDING PRIOR TO INSTALLATION OF THE 6 INCH SERVICE LINE TO THE CONVENIENCE BUILDING DOWN TO THE PROPOSED DUPLEX PUMP STATION.
- 3. ALL CLEANOUTS LOCATED IN NATURAL AREAS BE ENCLOSED IN A METAL OR COMPOSITE BOX STAMPED ADEQUATELY.
- 4. THE DUPLEX GRINDER PUMP STATION WILL BE 2HP, SINGLE PHASE BARNES SERIES Z5GV OR EQUAL.
- 5. THE CONTRACTOR SHALL INSTALL THE PREFABRICATED DUPLEX GRINDER PUMP STATION COMPLETE WITH CONTROL PANEL AND AUDIBLE AND VISIBLE ALARM. THE CITY WILL PROVIDE POWER AND A METER BASE TO THE PUMP STATION.
- 6. THIS PUMP STATION INSTALLATION IS TO SERVE ONLY THE CONCESSIONS BUILDING AND IS NOT REQUIRED TO ADHERE TO THE CITY'S PUMP STATION SITE DESIGN STANDARDS.
- 7. AREA LIGHTING AND WATER SERVICE WILL BE PROVIDED BY THE CITY IF DEEMED NECESSARY.
- 8. THE SEWER WILL BE DISCHARGED OUT OF THE PUMP STATION THROUGH A 3" FORCE MAIN BACK ALONG THE ENTRANCE ROAD AND WILL BE CORED INTO AN EXISTING MANHOLE ADJACENT TO THE PLAYGROUND. THE MANHOLE COVER SHALL BE ALIGNED SUCH THAT THE FORCE MAIN DISCHARGE INSIDE THE MANHOLE WILL BE ALIGNED WITH THE EFFLUENT GRAVITY SEWER LINE (DOWNSTREAM DIRECTION). IF TRENCHING WITHIN EXISTING ASPHALT AREAS IS REQUIRED FOR FORCE MAIN INSTALLATION ALL ASPHALT SHALL BE SAW CUT.
- 9. THERE SHOULD BE NO NEED FOR AN AIR RELEASE VALVE ON THIS INSTALLATION.

**PLAZA AREA**

- 1. THE PLAZA AREA WILL CONSIST OF A 4" ABC / CRUSHED CONCRETE BASE UNDER 3000 PSI CONCRETE 4 INCHES THICK WITH A 6"x6" WOVEN WIRE MESH REINFORCEMENT.
- 2. THERE ARE SEVERAL PLANTER BEDS LOCATED IN THE PLAZA AREA AND ADJACENT TO THE PARKING LOT THAT WILL REQUIRE EITHER LIGHTING OR IRRIGATION. LIGHTING IS ALSO PROPOSED WITHIN THE PLAZA BETWEEN THE PARKING LOT AND THE CONVENIENCE BUILDING / SHELTER. THE CONTRACTOR SHALL INSTALL UNDER THE PLAZA AREA TO EACH OF THE PLANTER BEDS TWO (2) SETS OF 4 INCH DIAMETER CONDUITS (CAPPED ON EACH END). THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF THESE CONDUITS WITH THE ENGINEER / CITY.
- 3. THE PLAZA LIGHT POLE FOUNDATIONS AND ELECTRICAL CONDUIT TO THESE FOUNDATIONS WILL BE INSTALLED BY THE CITY DURING CONSTRUCTION AND SHALL BE COORDINATED WITH THE LOCATIONS OF THESE FOUNDATIONS.
- 4. THE CONTRACTOR SHALL PROVIDE A SCORING / JOINT PLAN OF THE PLAZA AREA FOR REVIEW AND APPROVAL BY THE ENGINEER / CITY PRIOR TO ANY CONCRETE INSTALLATION.
- 5. THERE ARE 6 SETS OF TRENCH DRAINS TO BE INSTALLED IN THE PLAZA AREA BETWEEN THE SHELTER / CONVENIENCE BUILDING AND THE PICKLEBALL DRIP LINES. THESE TRENCH DRAINS SHOULD BE LOCATED DIRECTLY UNDER THE STRUCTURE OF THE SHELTER / CONVENIENCE BUILDING.

**CROQUET COURT**

- 1. THE CROQUET COURT WILL HAVE A TURF SURFACE THAT WILL BE INSTALLED BY THE CITY ONCE THE PROJECT IS COMPLETED.
- 2. THE CONCRETE WALK TO AND AROUND THE CROQUET COURT WILL BE 6 FEET WIDE AND 4-INCHES THICK (3000 PSI). THERE WILL BE NO ABC / CRUSHED CONCRETE BASE UNDER THIS WALK.
- 3. THE CONCRETE WALK WILL HAVE A 12-INCH TURNDOWN ON THE INTERIOR SIDE OF THE COURT.
- 4. THE CONTRACTOR SHALL EXCAVATE TO A DEPTH OF 1 FOOT BELOW THE CONCRETE WALK IN THE AREA OF THE COURT. THIS EXCAVATION SHALL BE SLOPED TO THE CENTER OF THE COURT WHERE THE CONTRACTOR SHALL INSTALL A 4-INCH PERFORATED UNDERDRAIN PIPE EMBEDDED IN A WASHED STONE TRENCH.
- 5. THE CONTRACTOR SHALL INSTALL 6-INCHES OF WASHED STONE (#57) AS THE BASE FOR THE TURF COURT SURFACE.
- 6. THE CITY OF WILSON WILL PROVIDE THE REMAINING GRANULAR MATERIAL, LEVELING COURSE, PERIMETER NAILER BOARD AND TURF SURFACE.

**TENNIS COURTS**

- 1. THE TENNIS COURT AREAS WILL BE CONSTRUCTED WITH AN 8-INCH ABC / CRUSHED CONCRETE BASE WITH A 2-INCH ASPHALT 89.59 SURFACE COURSE.
- 2. THE ASPHALT SURFACE COURSE WILL BE INSTALLED IN A CROSS-COURT DIRECTION.
- 3. BOTH SETS OF COURTS ARE SLOPED AT 1% ALONG THE COURTS LENGTH, NOT CROSS COURT.
- 4. THE AREA BETWEEN THE COURTS WILL BE CONSTRUCTED THE SAME AS THE TENNIS COURTS (8-INCH ABC / CRUSHED CONCRETE AND 2-INCH ASPHALT SURFACE COURSE 89.59).
- 5. ASPHALT JOINTS SHALL BE CUT LONGITUDINALLY BETWEEN RUNS TO CREATE A JOINT THAT IS AS SEAMLESS AS POSSIBLE.
- 6. ALL TENNIS NET POST GROUND SLEEVES AND CENTER ANCHOR FOUNDATIONS SHALL BE POURED IN PLACE WITH A SLEEVE INSTALLED PRIOR TO THE COURTS BEING PAVED. THE CONTRACTOR SHALL COORDINATE NET POLE FOUNDATION LOCATIONS WITH THE ENGINEER / CITY PRIOR TO INSTALLATION.
- 7. EACH SET OF 6 TENNIS COURTS SHALL BE ENCLOSED WITH A VINYL COATED (COLOR BLACK) FENCE 8 FEET IN HEIGHT WITH TWO (2) ACCESS GATES FIVE FEET IN WIDTH. GATES SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER / CITY.
- 8. THE CITY WILL BE RESPONSIBLE FOR TENNIS COURT SURFACE COATING AND STRIPING.
- 9. THE CITY WILL BE RESPONSIBLE FOR INSTALLING FENCE WIND SCREENS.

**BOCCIE BALL / SHUFFLEBOARD / HORSESHOE COURT AREA**

- 1. THE BOCCIE BALL COURT WILL HAVE A TURF SURFACE THAT WILL BE INSTALLED BY THE CITY ONCE THE PROJECT IS COMPLETED.
- 2. THE CONCRETE AREAS AROUND THE BOCCIE BALL / SHUFFLEBOARD / HORSESHOE AREA WILL BE 4-INCHES THICK (3000 PSI). THERE WILL BE NO ABC / CRUSHED CONCRETE BASE UNDER THIS CONCRETE.
- 3. THE CONCRETE WILL HAVE A 12-INCH TURNDOWN ON THE INTERIOR SIDE OF THE BOCCIE BALL COURT AND HORSESHOE PTS.
- 4. THE CONTRACTOR SHALL EXCAVATE TO A DEPTH OF 1 FOOT BELOW THE CONCRETE IN THE AREA OF THE BOCCIE BALL COURT AND HORSESHOE PTS. THIS EXCAVATION SHALL BE SLOPED TO THE CENTER OF THE COURT / PIT AREAS WHERE THE CONTRACTOR SHALL INSTALL A 4-INCH PERFORATED UNDERDRAIN PIPE EMBEDDED IN A WASHED STONE TRENCH.
- 5. THE CONTRACTOR SHALL INSTALL 6 INCHES OF WASHED STONE (#57) AS THE BASE FOR THE TURF BOCCIE BALL COURT SURFACE.
- 6. THE CONTRACTOR SHALL PROVIDE THE REMAINING GRANULAR MATERIAL, LEVELING COURSE, PERIMETER NAILER BOARD AND TURF SURFACE.
- 7. THE CITY OF WILSON WILL PROVIDE THE SAND TO BE INSTALLED IN THE HORSESHOE PTS.
- 8. THE CONCRETE SURFACE FOR THE SHUFFLEBOARD COURTS SHALL HAVE A BROOMED FINISH.
- 9. THE CITY OF WILSON WILL PROVIDE SURFACE COATING FOR THE SHUFFLEBOARD COURTS.

**PICKLEBALL COURTS (EXTERIOR)**

- 1. THERE WILL BE TWO (2) PICKLEBALL COURT AREAS WITH EACH AREA HAVING THREE PICKLEBALL COURTS.
- 2. EACH COURT AREA WILL HAVE A 6" WASHED STONE (#57) BASE.
- 3. THERE WILL BE A CLASS B VAPOR BARRIER INSTALLED AT SUBGRADE FOR EACH PICKLEBALL COURT AREA.
- 4. THE CONCRETE SLAB FOR THE PICKLEBALL COURT AREAS SHALL BE 5 INCHES, 3000 PSI WITH A BROOMED FINISH.
- 5. ALL NET POST FOUNDATIONS SHALL BE POURED IN PLACE WITH A SLEEVE INSTALLED PRIOR TO THE COURTS BEING POURED. THE CONTRACTOR SHALL COORDINATE NET POLE FOUNDATION LOCATIONS WITH THE ENGINEER / CITY PRIOR TO THE INSTALLATION.
- 6. EACH SET OF 3 PICKLEBALL COURTS SHALL BE ENCLOSED WITH A VINYL COATED (COLOR BLACK) FENCE 6 FEET IN HEIGHT WITH TWO (2) ACCESS GATES FIVE FEET IN WIDTH. GATES SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER / CITY.
- 7. THE CITY WILL BE RESPONSIBLE FOR PICKLEBALL COURT SURFACE COATING AND STRIPING.
- 8. THE CITY WILL BE RESPONSIBLE FOR INSTALLING FENCE WIND SCREENS.

**STORM DRAINAGE**

- 1. ALL STORM DRAINAGE PIPE SERVING THE SITE SHALL BE EITHER HDPE OR RCP.
- 2. THERE ARE SIX (6) STORM DRAINAGE DISCHARGE LOCATIONS ON SITE (NOT INCLUDING THE ONES LOCATED ALONG THE ENTRANCE ROAD). THE LAST LEG OF STORM DRAIN PIPE AT THESE LOCATIONS SHALL BE RCP.
- 3. ALL STORM DRAINAGE FLARED END SECTIONS SHALL BE RCP.
- 4. THERE IS AN EXISTING DRAINAGE FEATURE THAT TRAVERSES THROUGH THE PROPOSED TENNIS COURT LOCATIONS. THE EXISTING STORM WATER RUNOFF WILL BE ROUTED AWAY FROM THIS FEATURE WITH THE INSTALLATION OF NEW STORM DRAINAGE PIPE TO BE INSTALLED ADJACENT TO LONDON CHURCH ROAD.
- 5. THE EXISTING DRAINAGE FEATURE SHALL BE OVER EXCAVATED TO A DEPTH OF 1.0 FOOT BELOW THE EXISTING DITCH INVERT. A 6 INCH PERFORATED UNDERDRAIN PIPE SHALL BE INSTALLED ON A BED OF 4 INCHES WASHED STONE AND COVERED TO A MINIMUM 6 INCHES WITH WASHED STONE.
- 6. AN ENGINEERING STABILIZATION FABRIC SHALL BE INSTALLED OVER THE UNDERDRAIN TRENCH UNDER THE TENNIS COURT AREAS AT A MINIMUM WIDTH OF 8 FEET.
- 7. IT IS IMPORTANT THAT ALL DRAINAGE BOXES TOP ELEVATIONS BE INSTALLED IN ACCORDANCE WITH THE ELEVATIONS SHOWN ON THE PLANS. USE OF PREFABRICATED CONCRETE "KNOCKOUT" BOXES WILL BE ALLOWED AS LONG AS THE TOP OF GRATE ELEVATIONS CAN BE MAINTAINED. IF KNOCKOUT BOXES ARE USED THE INVERTS SHALL BE GRATED.
- 8. BLOCK BUILT DRAINAGE STRUCTURES ARE PREFERRED BUT NYLOPLAST DRAINAGE STRUCTURES WILL BE ALLOWED.
- 9. DRAINAGE WILL BE PROVIDED TO THE CONDENSATE LINE ON THE HVAC UNIT LOCATED ADJACENT TO THE CONVENIENCE BUILDING.
- 10. THERE WILL BE NO ROOF DRAINS SERVING THE PICNIC SHELTER OR CONVENIENCE BUILDING.
- 11. THE COVERED PICKLEBALL STRUCTURE WILL HAVE A ROOF THAT WILL BE SLOPED TO THE REAR OF THE SITE. IT WILL NOT BE KNOWN UNTIL THE BUILDING DRAWINGS ARE SUBMITTED FOR APPROVAL WHERE OR HOW MANY ROOF DRAINS WILL BE PROVIDED. FOR BID PURPOSES IT WILL BE ASSUMED THAT THERE WILL BE A ROOF LEADER LOCATED AT EACH REAR COLUMN.
- 12. STORM DRAINAGE LATERALS (FROM THE DRAINAGE LINE TO THE ROOF LEADER DOWNSPOUT) SHALL BE 6 INCH DIAMETER HDPE. DOWNSPOUT ADAPTORS SHALL BE USED AT THE INTERFACE OF THE 6 INCH DRAINAGE LATERAL AND THE DOWNSPOUT.
- 13. ALL DISSIPATOR PADS SHALL BE UNDERLAIN WITH AN ENGINEERED FABRIC TO PREVENT EROSION / UNDERMINING OF THE STONE DISSIPATOR PAD.

**STORM DRAIN SCHEDULE (10-YEAR STORM)**  
n = 0.013

FROM	TO	PIPE RUN	INLET AREA (SF)	INLET AREA (ACRES)	A AREA (ACRES)	INLET TIME (MIN)	PIPE TIME (MIN)	CONC (MNC)	tc (IN/HHR)	i INTENSITY (IN/HHR)	Runoff COEFF	Cc COEFF	Q10 (CFS)	SLOPE (FT/FT)	Dtheo (INCHES)	SIZE (INCHES)	Vfull (FT/SEC)	Qfull (CFS)	LENGTH (FT)	SEGMENT TIME (MIN)	UPPER INVERT	LOWER INVERT
FES#14	D#24	I-3	180844	4.15	4.15	10.0	0.0	10.0	6.14	0.40	0.40	10.2	0.0144	16.6	18	7.1	12.6	278	0.7	128.00	124.00	
D#25	D#24	I-2	14003	0.32	0.32	5.0	0.0	5.0	7.54	0.40	0.40	1.0	0.0056	8.4	12	3.2	2.5	77	0.4	123.18	122.80	
D#24	FES#13	I-1	11933	0.27	4.75	5.0	0.0	5.0	7.54	0.40	0.40	14.3	0.0087	20.7	24	6.7	21.1	34	0.1	122.60	122.50	
D#23	D#21	H-3	41488	0.95	0.95	5.0	0.0	5.0	7.54	0.80	0.80	5.7	0.0100	14.3	15	5.3	6.5	182	0.6	122.14	120.32	
D#22	D#21	H-2	21392	0.49	0.49	5.0	0.0	5.0	7.54	0.80	0.80	2.2	0.0040	11.9	12	2.9	2.3	84	0.5	120.65	120.32	
D#21	FES#12	H-1	9301	0.21	1.66	5.0	0.0	5.0	7.54	0.80	0.74	9.3	0.0080	17.9	18	5.3	9.4	46	0.1	120.32	119.95	
D#20	D#19	G-4	31180	0.72	0.72	5.0	0.0	5.0	7.54	0.62	0.62	3.3	0.0100	11.7	12	4.5	3.6	133	0.5	124.93	123.60	
D#19	D#17	G-3	20719	0.48	1.19	5.0	0.0	5.0	7.54	0.73	0.66	6.0	0.0100	14.5	15	5.3	6.5	186	0.6	123.60	121.74	
D#18	D#17	G-2	4467	0.10	0.10	5.0	0.0	5.0	7.54	0.40	0.40	0.3	0.0030	6.0	12	2.5	2.0	40	0.3	121.86	121.74	
D#17	FES#11	G-1	3466	0.08	1.37	5.0	0.0	5.0	7.54	0.42	0.63	6.5	0.0040	17.9	18	3.8	6.6	147	0.7	121.74	121.15	
FES#10	FES#9	F-1	525760	12.07	13.44	15.0	0.0	15.0	5.22	0.35	0.38	26.6	0.0150	23.6	24	8.8	27.7	116	0.2	121.04	119.30	
D#16	FES#8	E-1	44305	1.02	1.02	5.0	0.0	5.0	7.54	0.57	0.57	4.4	0.0050	14.7	15	3.7	4.6	57	0.3	118.69	118.40	
D#15	D#10	D-16	30591	0.70	0.70	5.0	0.0	5.0	7.54	0.60	0.60	3.2	0.0090	11.7	12	4.3	3.4	166	0.6	124.62	123.13	
D#14	D#13	D-15	16863	0.39	0.39	5.0	0.0	5.0	7.54	0.40	0.40	1.2	0.0050	9.0	12	3.2	2.5	28	0.1	124.56	124.42	
D#13	D#11	D-14	5989	0.14	0.52	5.0	0.0	5.0	7.54	0.85	0.52	2.0	0.0050	11.1	12	3.2	2.5	112	0.6	124.42	123.86	
D#12	D#11	D-13	11213	0.26	0.26	5.0	0.0	5.0	7.54	0.40	0.40	0.8	0.0050	7.7	12	3.2	2.5	25	0.1	123.98	123.86	
D#11	D#10	D-12	6438	0.15	0.93	5.0	0.0	5.0	7.54	0.40	0.47	3.3	0.0090	11.8	12	4.3	3.4	81	0.3	123.86	123.13	
D#10	D#9	D-11	26693	0.61	2.24	5.0	0.0	5.0	7.54	0.65	0.61	10.4	0.0100	17.9	18	5.9	10.5	93	0.3	123.13	122.20	
D#9	D#8	D-10	4328	0.10	2.34	5.0	0.0	5.0	7.54	0.85	0.85	15.0	0.0210	17.9	18	8.6	15.2	56	0.1	122.20	121.02	
D#8	D#7	D-9	6784	0.16	2.50	5.0	0.0	5.0	7.54	0.80	0.85	16.0	0.0065	23.5	24	5.3	16.8	75	0.2	121.02	120.61	
D#7	SDM#1	D-8	2594	0.06	2.56	5.0	0.0	5.0	7.54	0.80	0.85	16.3	0.0065	23.5	24	5.6	17.5	55	0.2	120.61	120.28	
D#6	D#6	D-7	5489	0.13	0.13	5.0	0.0	5.0	7.54	0.90	0.90	0.9	0.0100	7.0	8	3.5	1.2	35	0.2	121.36	121.01	
SDM#1	SDM#1	D-6	4538	0.10	0.23	5.0	0.0	5.0	7.54	0.90	0.90	1.6	0.0050	10.2	12	3.2	2.5	47	0.2	121.01	120.78	
D#5	D-5	D-5	0	0.00	2.79	5.0	0.0	5.0	7.54	0.90	0.85	17.9	0.0065	23.8	24	5.8	18.2	58	0.2	120.28	119.90	
D#4	D#2	D-4	2079	0.05	2.84	5.0	0.0	5.0	7.54	0.80	0.85	18.2	0.0065	23.9	24	5.8	18.2	85	0.2	119.90	119.35	
D#3	D#3	D-3	1711	0.04	0.04	5.0	0.0	5.0	7.54	0.60	0.60	0.2	0.0050	4.4	12	3.2	2.5	77	0.4	121.09	120.70	
D#2	D#2	D-2	4612	0.11	0.15	5.0	0.0	5.0	7.54	0.80	0.75	0.8	0.0070	7.4	12	3.8	3.0	50	0.2	120.70	120.35	
D#1	FES#7	D-1	3944	0.09	3.07	5.0	0.0	5.0	7.54	0.70	0.84	19.5	0.0075	23.9	24	6.2	19.6	100	0.3	119.35	118.60	
CB#5	D#1	C-2	18808	0.43	0.43	5.0	0.0</															



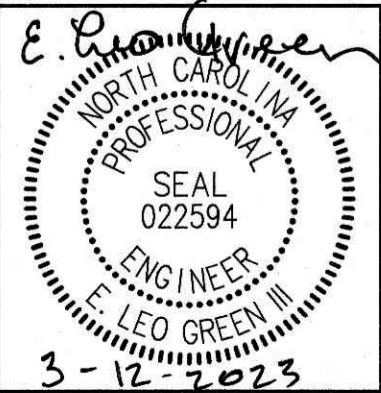
# SITE TABLE

LOT AREA (2 LOTS):	LOT 1-75.31 AND LOT 2-60.8 ACRES
LOT AREA TOTAL RECOMBINED:	136.11 ACRES
EXISTING IMPERVIOUS AREA:	706,233 SQ. FT. (16.21 ACRES) (11.91 % IMPERVIOUS AREA)
BUILDING HEIGHT:	<35 FT.
PROPERTY ADDRESS:	3238 CORBETT AVE.
EXISTING LAND USAGE:	PARKS & RECREATION
OWNER/DEVELOPER:	CITY OF WILSON P.O. BOX 10 WILSON, NC 27893
ZONE:	OS
PARCEL ID No.:	3722-59-7373; 3723-60-1835
REFERENCE:	DB 1362 PG 934; DB 1723 PG 701



- LEGEND**
- BORE HOLE LOCATION
  - EX. ELEC. PEDESTAL
  - ☆ EX. LIGHT POLE
  - EX. TELE. PEDESTAL
  - EX. DROP INLET
  - EX. CATCH BASIN
  - EX. SANITARY SEWER CLEANOUT
  - EX. SANITARY SEWER MANHOLE
  - EX. FIRE HYDRANT
  - EX. WATER METER
  - EX. WATER VALVE
  - EXISTING STORM DRAINAGE PIPE
  - EXISTING SANITARY SEWER
  - EXISTING WATER LINE

W:\WILSON\21194\CAD\21-194 - SP\_1.dwg  
 Last Plotted by: JON MEADE for Green Engineering on Tuesday, March 14, 2023 @ 11:52:01 AM  
 3-12-2023



**GREEN ENGINEERING**  
 WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT  
 NORTH CAROLINA FIRM LICENSE: P-0115  
 303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
 TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**  
 CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**EXISTING CONDITIONS**

REVISION	DATE	BY	DATE: March 14, 2023

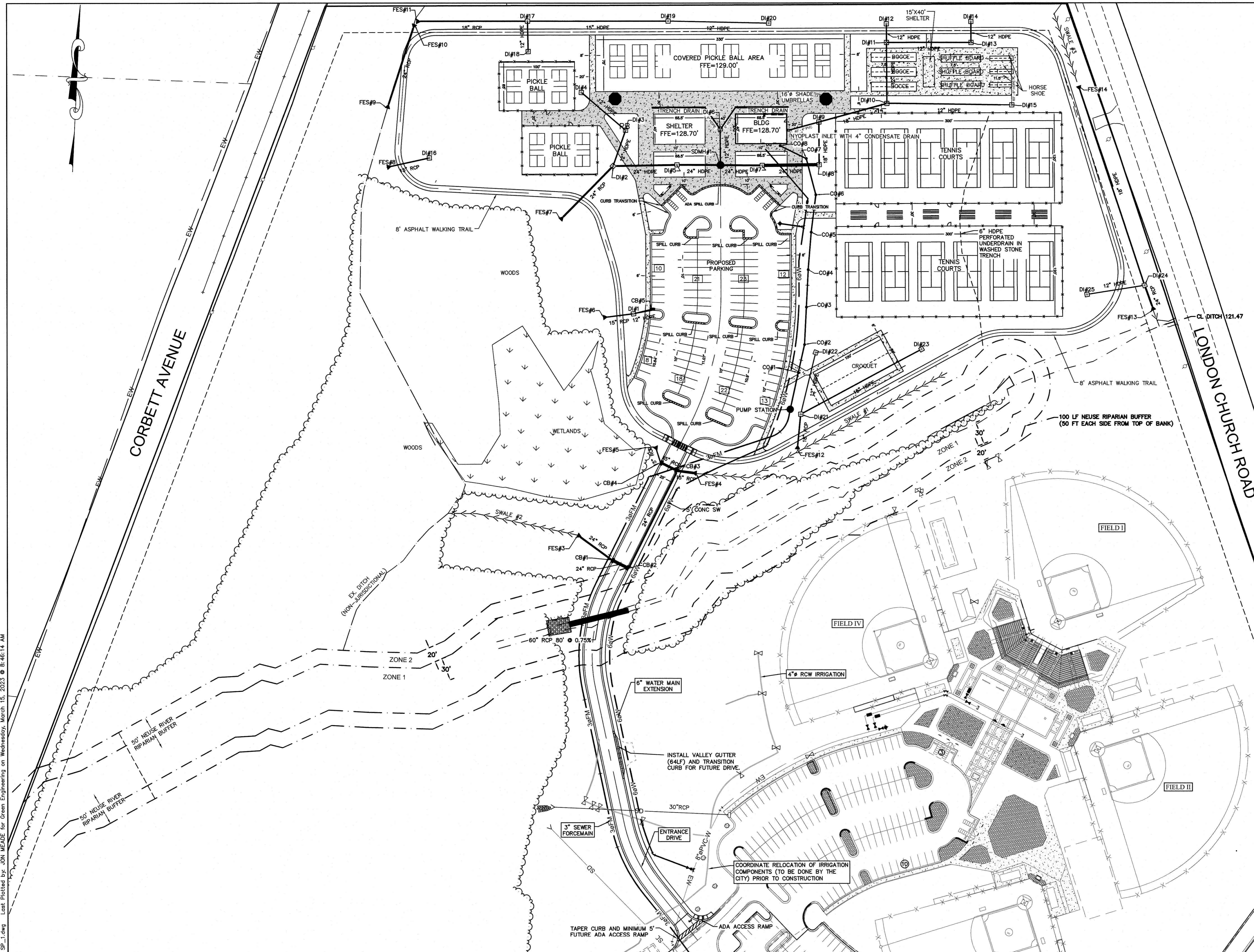
**GRAPHIC SCALES**  
  
 SCALE IN FEET

CLIENT CODE: WILSO  
 JOB NUMBER: 21-194  
 FIELD BOOK: CW  
 CADFILE:  
 ASCII FILE:  
 LAST MODIFIED: 14-Mar-23  
 MODIFIED BY: GLB  
 SHEET NO. **3** OF 17



# SITE TABLE

LOT AREA (2 LOTS):	LOT 1-75.31 AND LOT 2-60.8 ACRES
LOT AREA TOTAL RECOMBINED:	136.11 ACRES
EXISTING IMPERVIOUS AREA:	706,223 SQ. FT. (16.21 ACRES) (11.91 % IMPERVIOUS AREA)
IMPERVIOUS AREA ADDITION:	BLDG/SHELTERS 6,080 SF CONCRETE/COURTS 169,609 SF DRIVE AND PARKING 72,691 SF WALKING TRACK 21,123 SF 269,503 SF (6.19 ACRES)
TOTAL IMPERVIOUS ADDITION:	
TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION:	975,726 SF (22.40 AC) 16.46 % IMP.
REQUIRED PARKING:	NO REQUIREMENT
PROPOSED PARKING:	127 SPACES PLUS 6 ADA SPACES WITH ACCESSIBLE AISLES.
BUILDING HEIGHT:	<35 FT.
PROPERTY ADDRESS:	3238 CORBETT AVE.
EXISTING LAND USAGE:	PARKS & RECREATION
OWNER/DEVELOPER:	CITY OF WILSON P.O. BOX 10 WILSON, NC 27893
ZONE:	OS
PARCEL ID No.:	3722-59-7373; 3723-60-1835
REFERENCE:	DB 1362 PG 934; DB 1723 PG 701



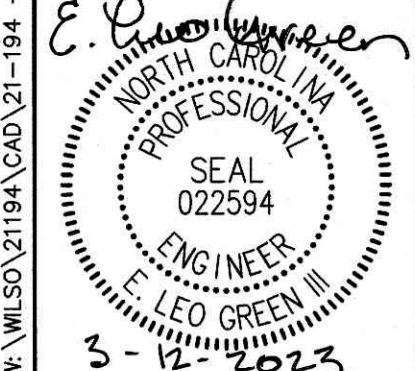
**PROPOSED LEGEND**

TYPE "A" CONCRETE SIDEWALK	
TYPE "B" CONCRETE PLAZA	
PROPOSED 24" ADA SPILL CURB	
PROPOSED 24" SPILL CURB	
PROPOSED FIRE HYDRANT	
PROPOSED VALVE	
PROPOSED WATER METER	
PROPOSED WATER LINE	
PROPOSED SS CLEANOUT	
PROPOSED SANITARY SEWER	
PROPOSED STORM SEWER LINE	
PROPOSED TRENCH DRAIN	
PROPOSED UNDERDRAIN	
PROPOSED CATCH BASIN	
PROPOSED DROP INLET	
PROPOSED 1' CONTOURS	
PROPOSED 5' CONTOURS	
PROPOSED EDGE OF PAVEMENT ELEV.	
PROPOSED BACK OF CURB ELEV.	
PROPOSED SIDEWALK ELEV.	
PROPOSED EDGE OF PAVEMENT/SIDEWALK ELEV.	
PROPOSED PERMANENT SWALE	

**LEGEND**

	BORE HOLE LOCATION
	EX. ELEC. PEDESTAL
	EX. LIGHT POLE
	EX. TELE. PEDESTAL
	EX. DROP INLET
	EX. CATCH BASIN
	EX. SANITARY SEWER CLEANOUT
	EX. SANITARY SEWER MANHOLE
	EX. FIRE HYDRANT
	EX. WATER METER
	EX. WATER VALVE
	EXISTING STORM DRAINAGE PIPE
	EXISTING SANITARY SEWER
	EXISTING WATER LINE

FOR PLAN REVIEW ONLY



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**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**  
 CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**SITE PLAN**

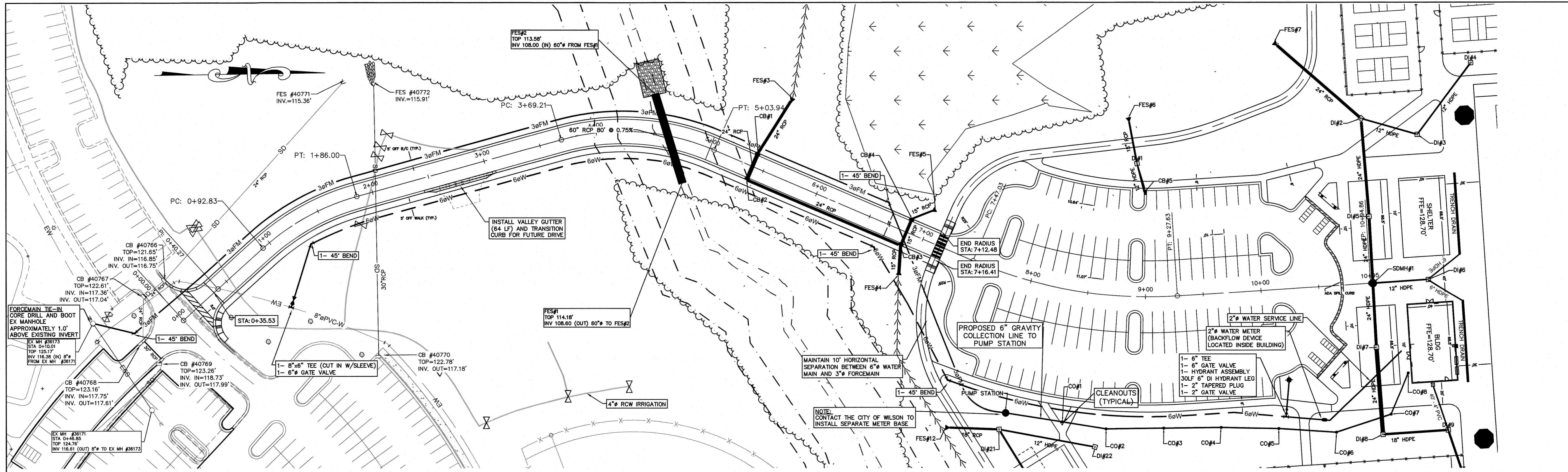
REVISION	DATE	BY	DATE: March 15, 2023

CLIENT CODE: WILSO  
 JOB NUMBER: 21-194  
 FIELD BOOK: CW  
 CADFILE:  
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 LAST MODIFIED: 15-Mar-23  
 MODIFIED BY: GLB

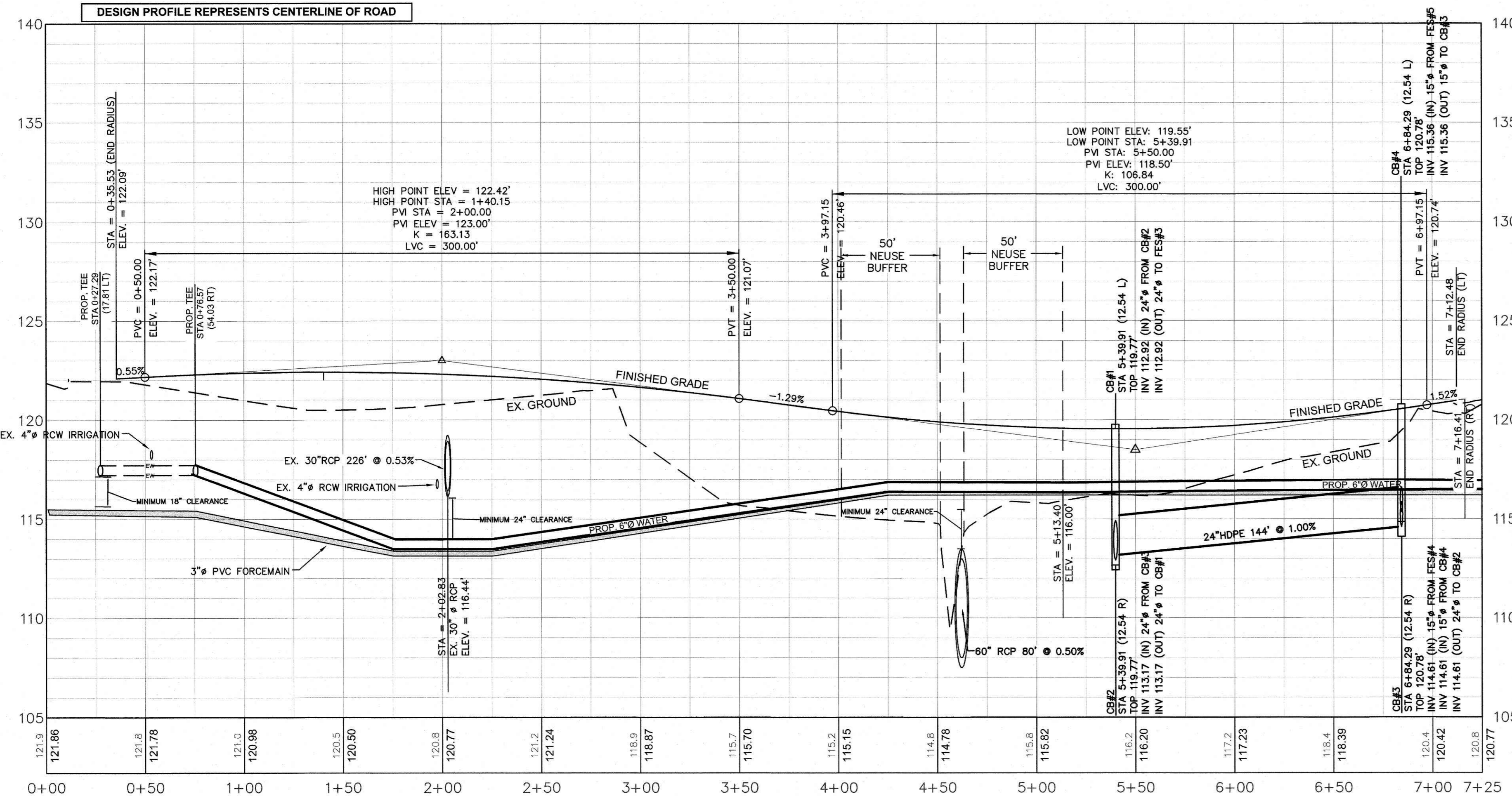
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SHEET NO. 4 OF 17



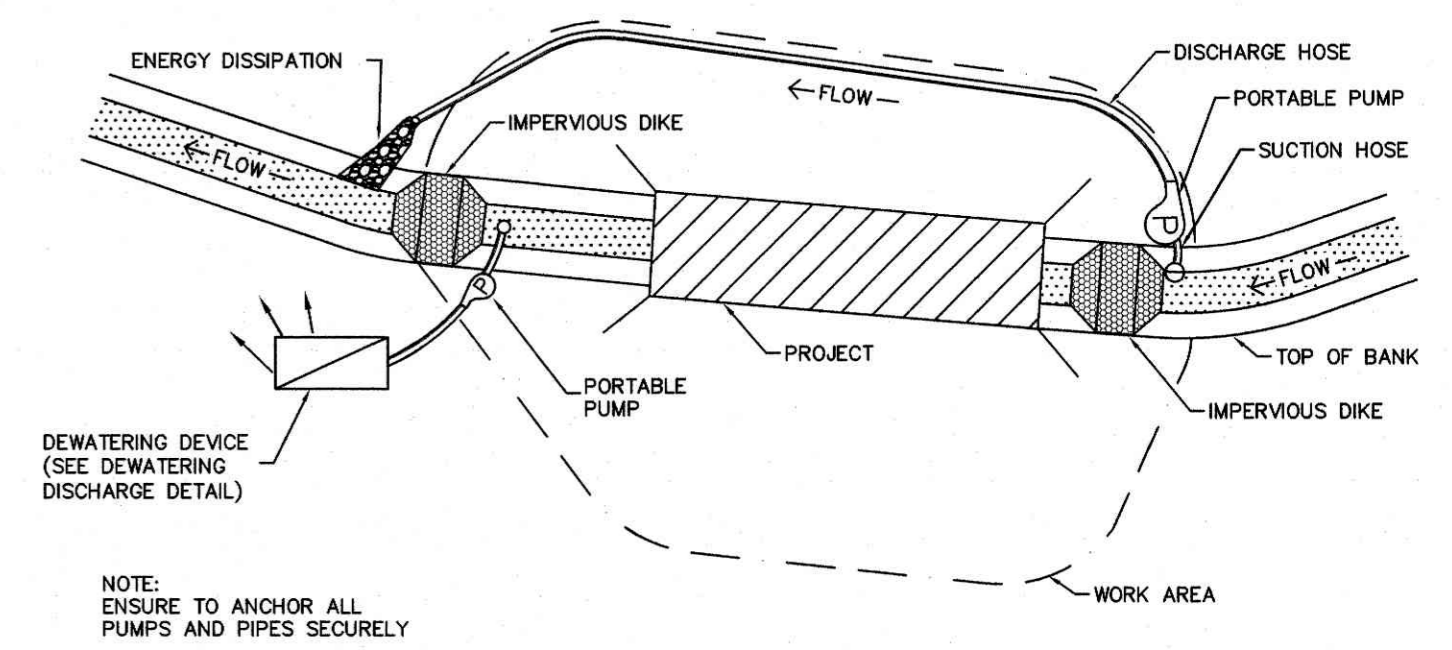


**ENTRANCE DRIVE**



WATER, SEWER, AND STORM DRAINAGE LINES SHOULD BE CONSTRUCTED TO THE FOLLOWING SPECIFICATIONS:

- MIN. 10' LATERAL SEPARATION BETWEEN WATER/SEWER LINES.
- MIN. 18" VERT. SEPARATION BETWEEN WATER/SEWER OR DUCTILE IRON IS REQUIRED, IF WATER MUST BE PLACED BELOW SEWER, DUCTILE IRON IS REQUIRED ON BOTH LINES. DUCTILE IRON SHOULD EXTEND 10' PAST INTERSECTION ON WATER LINE AND TO THE NEXT MANHOLE ON SEWER LINE PER CITY OF WILSON SPECIFICATIONS.
- WATER/SEWER CROSSINGS SHALL BE ARRANGED SO THAT SEWER JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
- MIN. 24" VERT. SEPARATION BETWEEN STORM DRAIN AND SAN. SEWER OR DUCTILE IRON IS REQUIRED.
- MINIMUM 6" SEPARATION FOR ALL UTILITIES.

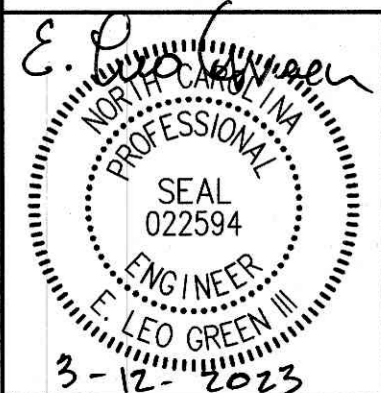


- CONSTRUCTION SEQUENCE:**
1. SET UP BYPASS PUMP AND TEMPORARY PIPING. PLACE OUTLET OF TEMPORARY PIPE TO MINIMIZE EROSION AT DISCHARGE SITE OR PROVIDE TEMPORARY ENERGY DISSIPATION MEASURES. FIRMLY ANCHOR PUMP AND PIPING.
  2. CONSTRUCT OUTLET PROTECTION IF NEEDED.
  3. CONSTRUCT IMPERVIOUS DIKE UPSTREAM OF WORK AREA TO IMPOUND WATER FOR BYPASS PUMP INTAKE. USE A FLOATING INTAKE FOR PUMPS WHERE POSSIBLE.
  4. CONSTRUCT AN IMPERVIOUS DIKE DOWNSTREAM, IF NECESSARY, TO ISOLATE WORK AREA.
  5. CHECK OPERATION OF PUMP AND PIPING SYSTEM.
  6. UPON COMPLETION OF CONSTRUCTION, REMOVE IMPERVIOUS DIKE, BYPASS PUMP, AND TEMPORARY PIPE.
- MAINTENANCE:**
- ROUTINELY INSPECT BYPASS PUMP AND TEMPORARY PIPING TO ENSURE PROPER OPERATION.
  - INSPECT IMPERVIOUS DIKE FOR LEAKS AND REPAIR ANY DAMAGE.
  - INSPECT DISCHARGE POINT FOR EROSION.
  - ENSURE FLOW IS ADEQUATELY DIVERTED THROUGH PIPE.

**BYPASS PUMPING DETAIL**  
NO SCALE

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**GREEN ENGINEERING**  
WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT  
NORTH CAROLINA FIRM LICENSE: P-0115  
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CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**ENTRANCE DRIVE AND WATERLINE PLAN AND PROFILE**

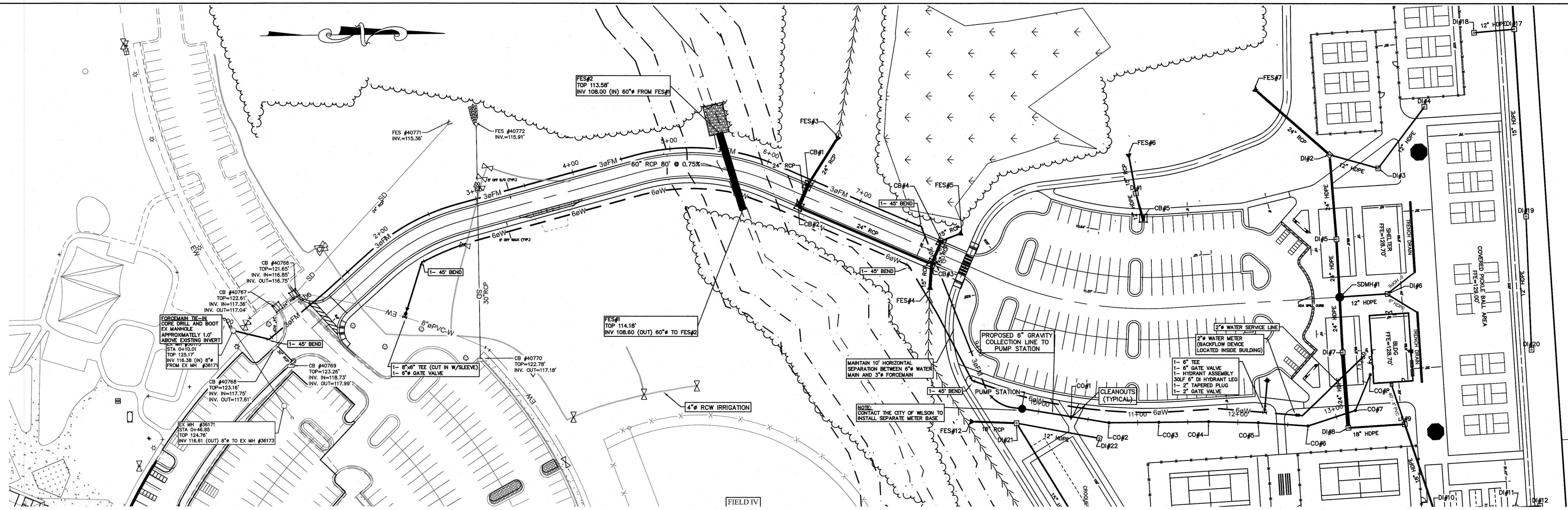
REVISION	DATE	BY	DATE: March 15, 2023

GRAPHIC SCALES  
PLAN & PROFILE (HORIZONTAL)  
PROFILE (VERTICAL)

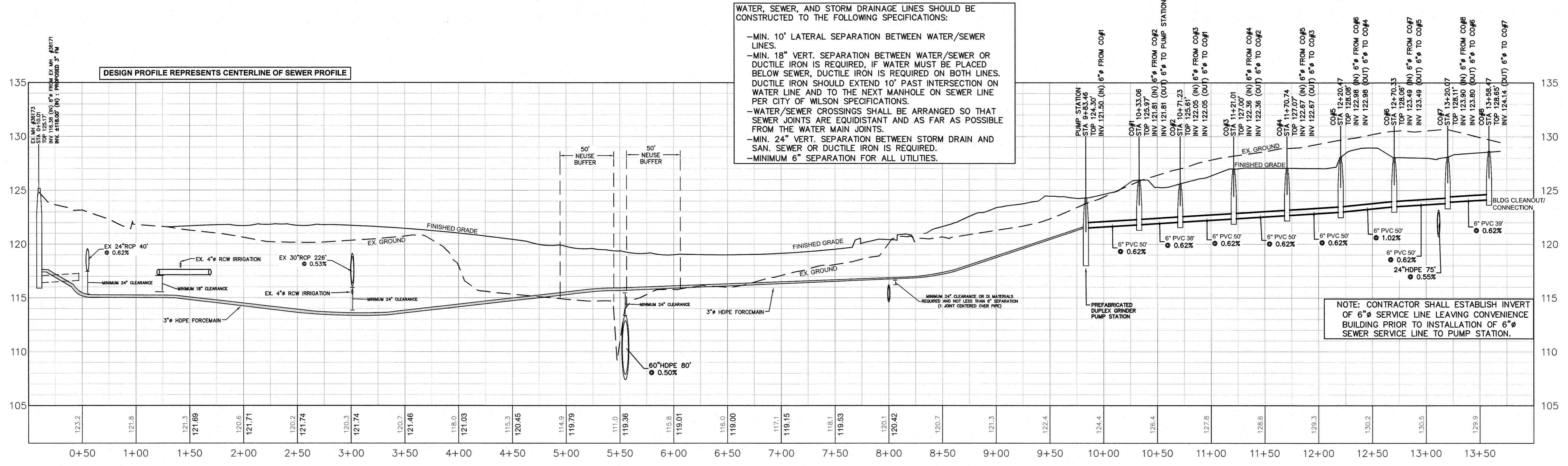
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JOB NUMBER: 21-194  
FIELD BOOK: CW  
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LAST MODIFIED: 15-Mar-23  
MODIFIED BY: GLB

SHEET NO. 5 OF 17





**ENTRANCE DRIVE**

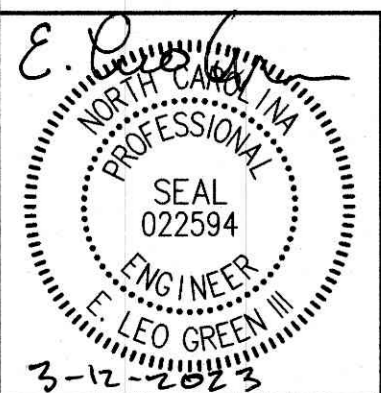


WATER, SEWER, AND STORM DRAINAGE LINES SHOULD BE CONSTRUCTED TO THE FOLLOWING SPECIFICATIONS:

- MIN. 10' LATERAL SEPARATION BETWEEN WATER/SEWER LINES.
- MIN. 18" VERT. SEPARATION BETWEEN WATER/SEWER OR DUCTILE IRON IS REQUIRED, IF WATER MUST BE PLACED BELOW SEWER, DUCTILE IRON IS REQUIRED ON BOTH LINES. DUCTILE IRON SHOULD EXTEND 10' PAST INTERSECTION ON WATER LINE AND TO THE NEXT MANHOLE ON SEWER LINE PER CITY OF WILSON SPECIFICATIONS.
- WATER/SEWER CROSSINGS SHALL BE ARRANGED SO THAT SEWER JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
- MIN. 24" VERT. SEPARATION BETWEEN STORM DRAIN AND SAN. SEWER OR DUCTILE IRON IS REQUIRED.
- MINIMUM 6" SEPARATION FOR ALL UTILITIES.

NOTE: CONTRACTOR SHALL ESTABLISH INVERT OF 6" SERVICE LINE LEAVING CONVENIENCE BUILDING PRIOR TO INSTALLATION OF 6" SEWER SERVICE LINE TO PUMP STATION.

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 303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
 TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**  
 CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**SANITARY SEWER PLAN AND PROFILE**

REVISION	DATE	BY	DATE: March 15, 2023

GRAPHIC SCALES  
 0 25 50 100  
 PLAN & PROFILE (HORIZONTAL)  
 0 5 10  
 PROFILE (VERTICAL)

CLIENT CODE: WILSO  
 JOB NUMBER: 21-194  
 FIELD BOOK: CW  
 CADFILE:  
 ASCII FILE:  
 LAST MODIFIED: 15-Mar-23  
 MODIFIED BY: GLB  
 SHEET NO. 6 OF 17



SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKS, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

PROPOSED LEGEND

TYPE "A" CONCRETE SIDEWALK	
TYPE "B" CONCRETE PLAZA	
PROPOSED 24" ADA SPILL CURB	
PROPOSED 24" SPILL CURB	
PROPOSED FIRE HYDRANT	
PROPOSED VALVE	
PROPOSED WATER METER	
PROPOSED WATER LINE	
PROPOSED SS CLEANOUT	
PROPOSED SANITARY SEWER	
PROPOSED STORM SEWER LINE	
PROPOSED TRENCH DRAIN	
PROPOSED UNDERDRAIN	
PROPOSED CATCH BASIN	
PROPOSED DROP INLET	
PROPOSED 5' CONTOURS	
PROPOSED 5' CONTOURS	
PROPOSED EDGE OF PAVEMENT ELEV.	
PROPOSED BACK OF CURB ELEV.	
PROPOSED SIDEWALK ELEV.	
PROPOSED EDGE OF PAVEMENT/SIDEWALK ELEV.	
PROPOSED PERMANENT SWALE	

LEGEND

	BORE HOLE LOCATION
	EX. ELEC. PEDESTAL
	EX. LIGHT POLE
	EX. TELE. PEDESTAL
	EX. DROP INLET
	EX. CATCH BASIN
	EX. SANITARY SEWER CLEANOUT
	EX. SANITARY SEWER MANHOLE
	EX. FIRE HYDRANT
	EX. WATER METER
	EX. WATER VALVE
	EXISTING STORM DRAINAGE PIPE
	EXISTING SANITARY SEWER
	EXISTING WATER LINE

SITE NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO HIGHWAY OR TOWN RIGHT-OF-WAY. ALL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MUTCD STANDARDS.

CONTRACTOR TO COORDINATE INSTALLATION OF CONDUITS FOR PHONES & LIGHTING.

UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF AT AN APPROVED PERMITTED OFF-SITE LOCATION BY CONTRACTOR.

CONTRACTOR RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS/ CONDITIONS OF ALL ENCROACHMENTS & PERMITS INCLUDING PROVIDING BONDS/INSURANCE IF REQUIRED.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING REQUIRED INSPECTIONS.

CALL ONE CALL CENTER AT 1-800-632-4949 FOR LOCATIONS OF EXISTING UTILITIES 48 HOURS MINIMUM PRIOR TO EXCAVATION.

**EXCAVATION AND GRADING PLAN NOTES:**

ALL AREAS NOT COVERED BY BUILDING OR PAVING TO BE GRASSED, LANDSCAPED OR LEFT NATURAL AS INDICATED.

CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL RAISE OR LOWER TOPS OF EXISTING MANHOLES AS REQUIRED TO MATCH FINISHED GRADES.

BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF THE PROJECT. LACK OF THE PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN REPLACED TO THE OWNERS SATISFACTION.

**EXISTING CONDITIONS:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL EXISTING JOB CONDITIONS. ANY ADVERSE CONDITIONS AFFECTING WORK SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR POSSIBLE CLARIFICATION OR RECONCILIATION.

**CONSTRUCTION SAFETY:**

THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**STRUCTURAL FILL:**

ALL NEWLY PLACED STRUCTURAL FILL OR BACK FILL SHOULD BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY EXCEPT IN THE FINAL FOOT BENEATH PAVEMENT STRUCTURE WHERE THE REQUIREMENT SHOULD BE INCREASED TO 98% OF THE PROCTOR MAXIMUM DRY DENSITY. IT IS NOT ANTICIPATED THAT EITHER DIFFICULT EXCAVATION OR GROUND WATER WILL BE ENCOUNTERED FOR CUT DEPTHS UP TO 15 FEET ON THIS SITE. ALTHOUGH THE SOILS TO BE WELL SUITED FOR REUSE AS STRUCTURAL FILL, IT SHOULD BE RECOGNIZED THAT CLAY SOILS ARE SENSITIVE TO MOISTURE; AND THEREFORE, IT IS RECOMMENDED THAT EARTHWORK BE PERFORMED DURING THE DRIER MONTHS OF THE YEAR. THE CONTRACTOR SHOULD BE PREPARED TO MONITOR MOISTURE CONDITION OF THE SOILS AS NECESSARY IN ORDER TO IMPROVE THE EFFICIENCY OF THE COMPACTING OPERATIONS AND EFFORTS.

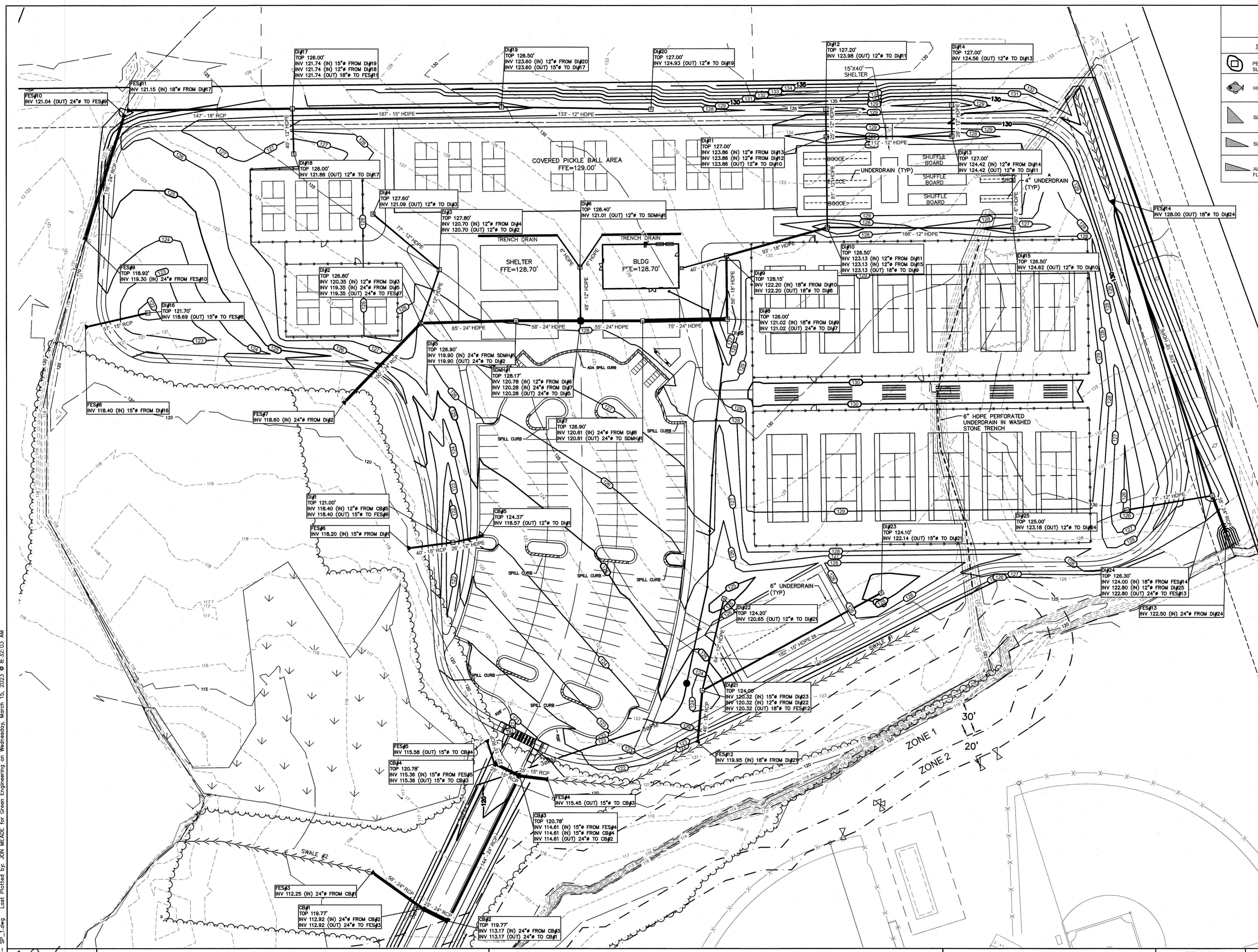
**OFFSITE BORROW / TRENCH BORROW:**

OFFSITE BORROW MATERIAL PLACED ON SITE SHOULD BE LOW PLASTICITY (PI LESS THAN 25 AND LL LESS THAN 50) AND SHALL BE FREE OF ORGANIC MATERIAL OR DEBRIS. PLACE FILL IN 6" TO 10" LOOSE LIFTS AND COMPACT TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY, ASTM D698. THE MOISTURE CONTENT OF THE SOIL SHOULD BE MAINTAINED WITHIN ± 3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THE SAME TEST. OFF-SITE BORROW MATERIAL TO BE OBTAINED FROM A PERMITTED SOURCE.

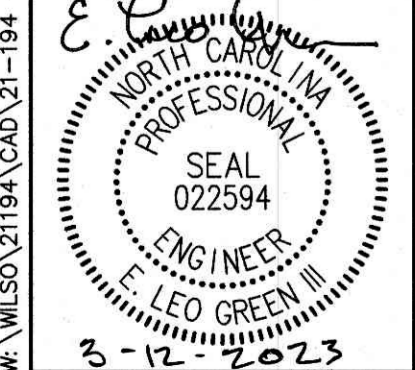
**ADA AND LEGAL DISCLAIMER:**

THIS DOCUMENT IS NOT REPRESENTED TO COMPLY WITH ALL REQUIREMENTS CONTAINED IN THE ADA OR OTHER LAWS. ENGINEERS ARE NOT LICENSED TO INTERPRET LAWS OR GIVE ADVICE CONCERNING LAWS. THE OWNER SHOULD HAVE THIS DOCUMENT REVIEWED BY HIS ATTORNEY TO DETERMINE LEGAL COMPLIANCE.

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**J. BURT GILLETTE ATHLETIC COMPLEX**

CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**SITE GRADING PLAN**

REVISION	DATE	BY	DATE: March 15, 2023

GRAPHIC SCALES

CLIENT CODE: WILSO  
 JOB NUMBER: 21-194  
 FIELD BOOK: CW  
 CADFILE:  
 ASCII FILE:  
 LAST MODIFIED: 15-Mar-23  
 MODIFIED BY: GLB

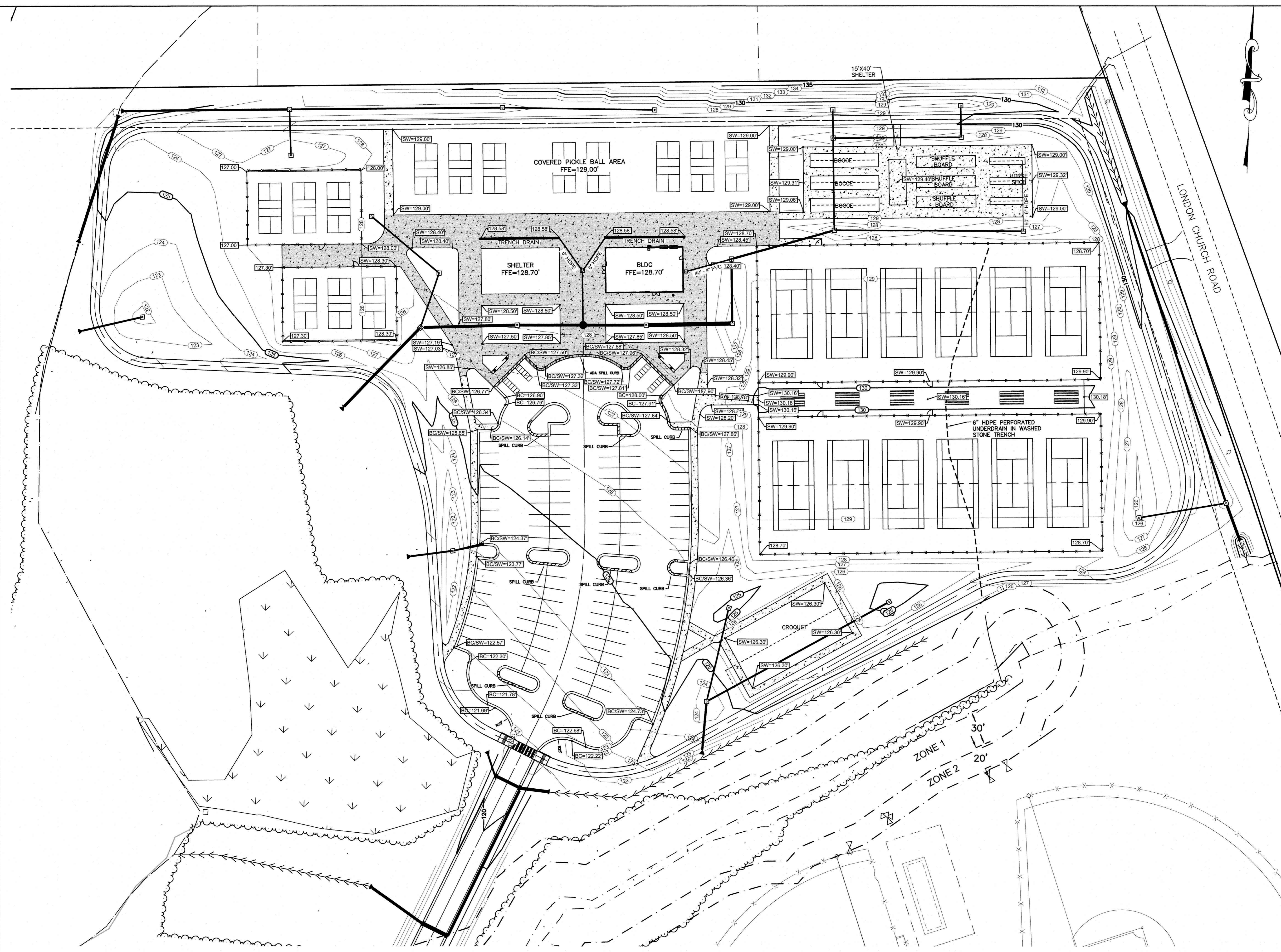
SHEET NO. 7 OF 17



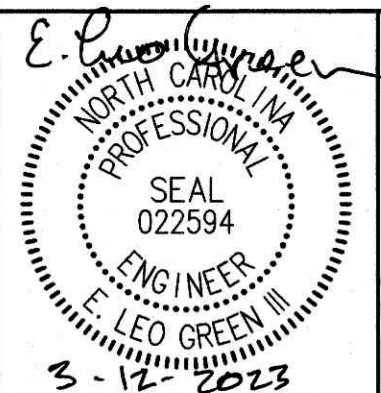
**ROOF DRAIN CONNECTION:**  
 CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS FOR CONNECTION OF ROOF DRAINS TO PROPOSED STORM DRAINAGE SYSTEM. REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATION AND SIZES.

**UNDERDRAINS:**  
 CONTRACTOR TO PROVIDE AND INSTALL 4" PERFORATED UNDERDRAINS LOCATED WITHIN THE BOCCO COURTS, HORSESHOE PITS, AND CROQUET AREA AS SHOWN ON PLANS OR AS DIRECTED AND CONNECT TO PROPOSED STORM DRAINAGE SYSTEM.

**CONDUIT PLACEMENT:**  
 CONTRACTOR TO PROVIDE AND INSTALL 4" CONDUIT TO ALL ISLANDS WITHIN DRIVE AND PLAZA AREA FOR FUTURE ELECTRICAL AND IRRIGATION. COORDINATE WITH THE CITY OF WILSON FOR EXACT LOCATION DURING CONSTRUCTION.



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**J. BURT GILLETTE ATHLETIC COMPLEX**  
 CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**DETAILED GRADING PLAN**

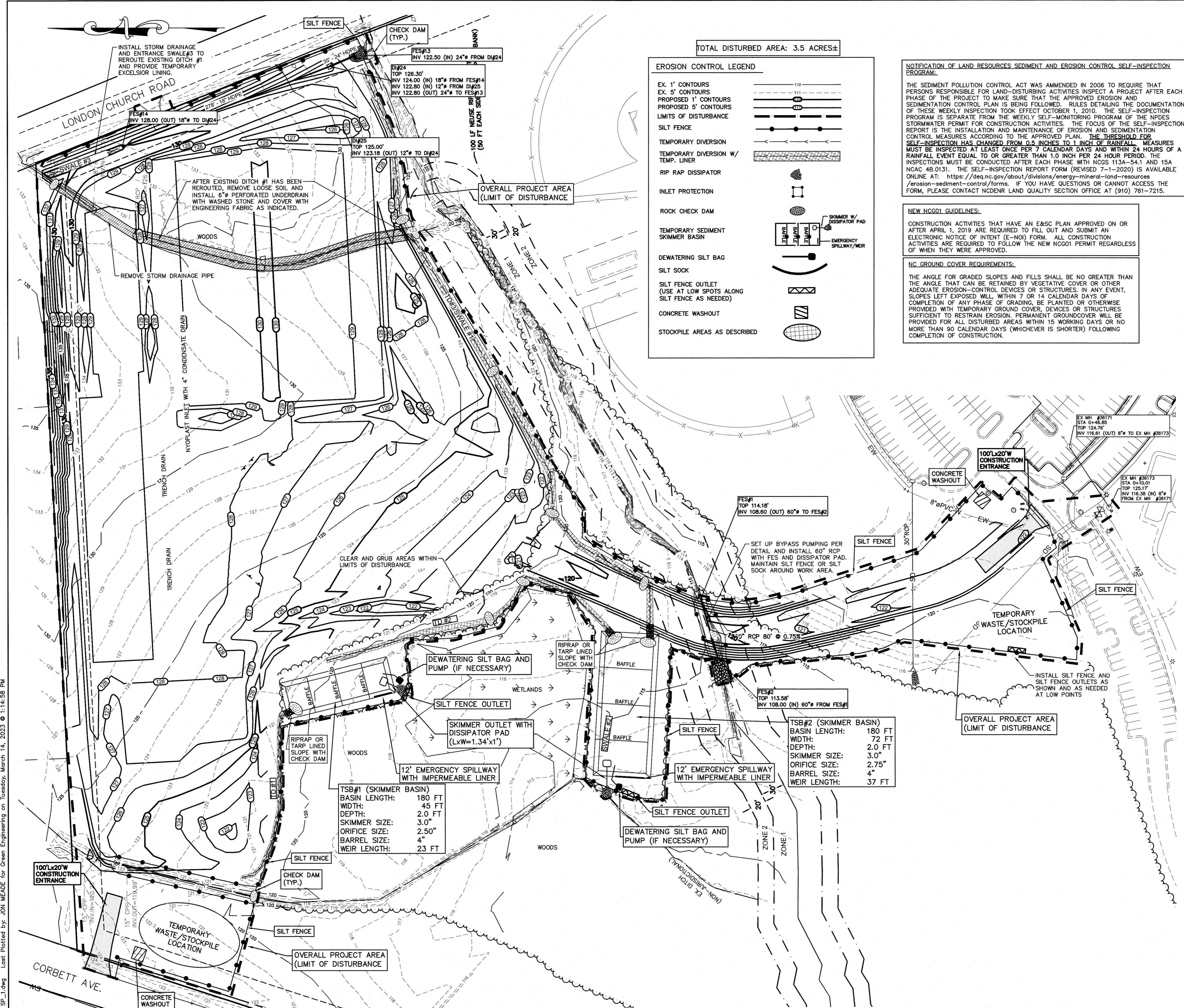
REVISION	DATE	BY	DATE: March 15, 2023

GRAPHIC SCALES  
  
 SCALE IN FEET

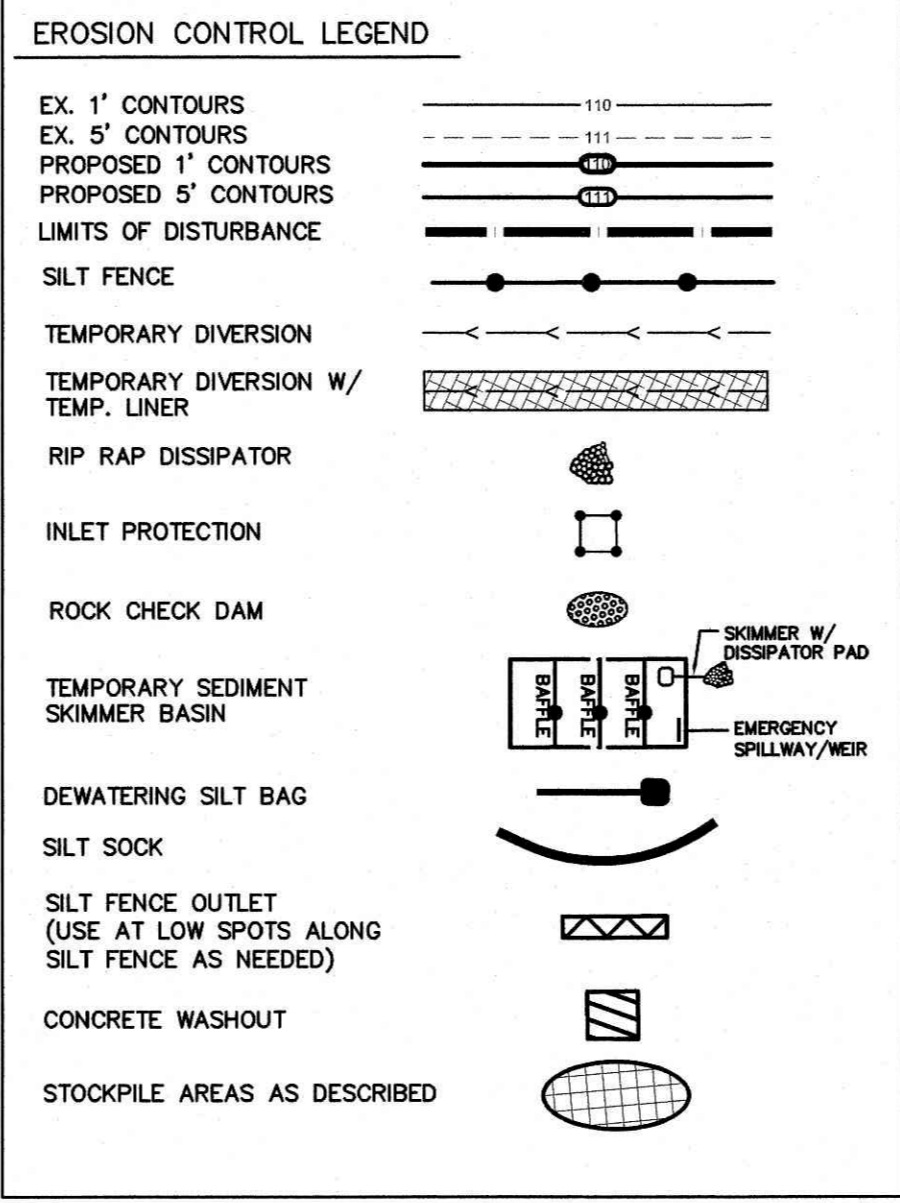
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 JOB NUMBER: 21-194  
 FIELD BOOK: CW  
 CADFILE:  
 ASCII FILE:  
 LAST MODIFIED: 15-Mar-23  
 MODIFIED BY: GLB  
 SHEET NO. **8** OF 17

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TOTAL DISTURBED AREA: 3.5 ACRES±



**NOTIFICATION OF LAND RESOURCES SEDIMENT AND EROSION CONTROL SELF-INSPECTION PROGRAM:**

THE SEDIMENT POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE WEEKLY INSPECTIONS TOOK EFFECT OCTOBER 1, 2010. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE THRESHOLD FOR SELF-INSPECTION HAS CHANGED FROM 0.5 INCHES TO 1 INCH OF RAINFALL. MEASURES MUST BE INSPECTED AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT EQUAL TO OR GREATER THAN 1.0 INCH PER 24 HOUR PERIOD. THE INSPECTIONS MUST BE CONDUCTED AFTER EACH PHASE WITH NCGS 113A-54.1 AND 15A NCA 48.0131. THE SELF-INSPECTION REPORT FORM (REVISED 7-1-2020) IS AVAILABLE ONLINE AT: <https://daq.nc.gov/about/divisions/emergency-mineral-land-resources/erosion-sediment-control/forms>. IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT NCDNR LAND QUALITY SECTION OFFICE AT (910) 761-7215.

**NEW NCG01 GUIDELINES:**

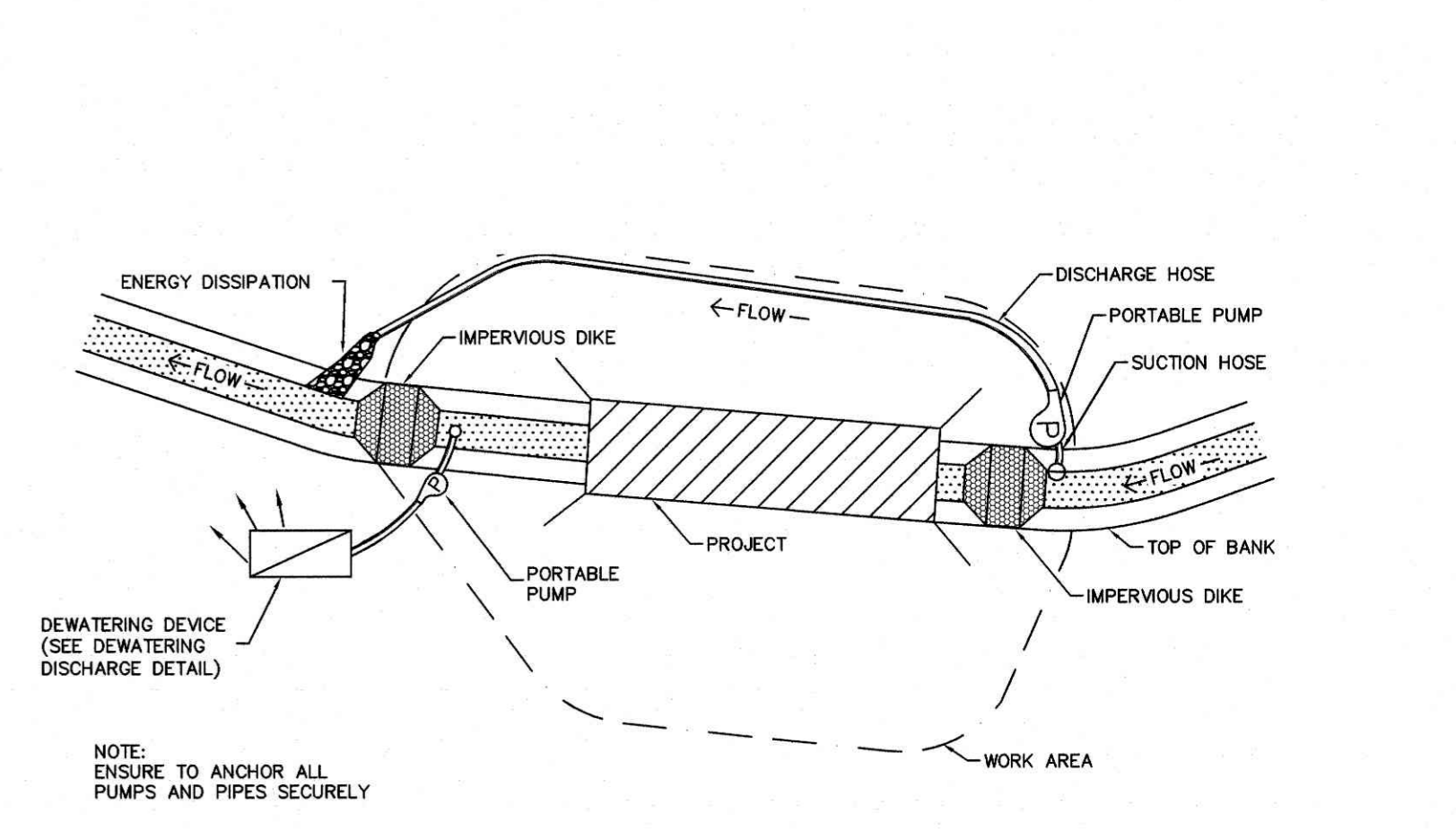
CONSTRUCTION ACTIVITIES THAT HAVE AN E&S PLAN APPROVED ON OR AFTER APRIL 1, 2019 ARE REQUIRED TO FILL OUT AND MAINTAIN AN ELECTRONIC NOTICE OF INTENT (E-NOI) FORM. ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO FOLLOW THE NEW NCG01 PERMIT REGARDLESS OF WHEN THEY WERE APPROVED.

**NC GROUND COVER REQUIREMENTS:**

THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION-CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL, WITHIN 7 OR 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY GROUND COVER, DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. PERMANENT GROUND COVER WILL BE PROVIDED FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR NO MORE THAN 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.

- PHASE 1 CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT PRIOR TO BEGINNING CONSTRUCTION. CONTACT NCDNR-LAND QUALITY SECTION A MINIMUM OF 48 HOURS PRIOR TO PROJECT ACTIVATION TO SCHEDULE A PRE-CONSTRUCTION MEETING (919-791-4200). FAILURE TO DO SO WILL RESULT IN A NOTICE OF VIOLATION. OWNER SHALL MAKE THE NOTIFICATION.
  - EROSION AND SEDIMENT CONTROL (E&S) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES (INCLUDING TIMBERING AND DEMOLITION) OCCUR. THE COC CAN BE OBTAINED BY FILING OUT THE ELECTRONIC NOTICE OF INTENT (E-NOI) FORM AT [DAQ.NC.GOV/NGC01](https://daq.nc.gov/ngc01). PLEASE NOTE: THE E-NOI FORM MAY ONLY BE FILLED OUT ONCE THE PLANS HAVE BEEN APPROVED. A COPY OF THE E&S PERMIT, COC, AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREFERABLY IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION.
  - INSTALL PERMIT BOX ON SITE WITH THE APPROVED E&S PLAN WITH PLACARD AND NCDNR PERMIT APPROVAL LETTER. INSTALL RAIN GAGE AND LOG BOOK AT PERMIT BOX.
  - OWNER OR OWNER'S REPRESENTATIVE WILL BE RESPONSIBLE TO UPDATE AND MAINTAIN THE SELF INSPECTION FORM. THE FORMS MUST BE KEPT ON SITE AND AVAILABLE FOR REVIEW IF REQUIRED BY THE INSPECTOR. COPY OF NPDES PERMIT WITH A MINIMUM OF 30 DAYS OF SELF-INSPECTION REPORTS ARE TO BE KEPT ON SITE UNTIL PROJECT CLOSURE BY NCDNR. THE THRESHOLD FOR SELF-INSPECTION HAS CHANGED FROM 0.5 INCHES TO 1 INCH OF RAINFALL. MEASURES MUST BE INSPECTED AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT EQUAL TO OR GREATER THAN 1.0 INCH PER 24 HOUR PERIOD.
  - E&S MEASURES ARE TO BE INSTALLED AT ANY AREAS USED FOR CONTRACTOR EQUIPMENT STAGING, MATERIALS LAYDOWN, SPOIL OR WASTE AREAS.
  - CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION BY CONTACTING NORTH CAROLINA 811 (NCR11).
  - LOCATE PROPERTY LINES AND LIMITS OF DISTURBANCE.
  - INSTALL CONSTRUCTION ENTRANCE PER PLAN. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES REQUIRED TO PROTECT THE EXISTING PAVEMENT FROM DAMAGE AND ALL MATERIAL SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH DAY.
  - INSTALL SILT FENCING AND SILT FENCE OUTLETS AS SHOWN ON PLANS. VEGETATION CAN BE REMOVED TO INSTALL SILT FENCE AS NEEDED.
  - ONCE ALL PERIMETER MEASURES ARE INSTALLED, CONTACT NCDNR LAND QUALITY FOR APPROVAL PRIOR TO COMMENCING FURTHER.
  - REMOVE VEGETATION AND INSTALL SEDIMENT BASINS AND DIVERSION DITCHES. SEED AND STABILIZE MEASURES. UPON PERMITTER APPROVAL, COMMENCE TREE REMOVAL AND OTHER DEMOLITION / REMOVE ITEMS AND ROUGH GRADING ACTIVITIES. CONTRACTOR SHALL PROPERLY DISPOSE OF MATERIAL AS APPROPRIATE.
  - REROUTE EXISTING DITCH BY INSTALLING FES#13, DI#24, AND FES#14. INSTALL EXCELSIOR MATTING IN OPEN DITCH SECTIONS.
  - BEGIN INSTALLATION OF 60" RCP STREAM CROSSING AND DISSIPATOR PAD. INSTALL BYPASS PUMP AND DISCHARGE THROUGH SILT BAG PER DETAIL.
  - BEGIN ROUGH SITE GRADING.
  - THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES REQUIRED TO PROTECT THE EXISTING PAVEMENT FROM DAMAGE AND ALL MATERIAL SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH DAY. A WASH STATION MAY BE REQUIRED TO FACILITATE CLEAN UP. A LAYER OF SAND, FINES OR SCREENINGS WILL BE PLACED ON IMPERVIOUS SURFACES BEFORE DEPOSITION OF ANY EXCAVATED MATERIAL.
  - ANY DEWATERING IS TO BE DONE THROUGH A SILT BAG WITH A FLOATING INTAKE THAT IS CONSTANTLY MONITORED WHILE IN USE.
  - CONTRACTOR SHALL INSPECT THE SITE AND UPDATE THE LOG BOOK AFTER SIGNIFICANT RAINFALL (GREATER THAN 1" RAIN).
  - CONTRACTOR IS RESPONSIBLE FOR CORRECTION AND REPAIRING ANY IMPROPERLY INSTALLED OR DAMAGED EROSION CONTROL DEVICE IMMEDIATELY.
  - ALL SEDIMENT CONTROL DEVICES MUST BE MAINTAINED UNTIL ALL UPGRADE DRAINAGE AREAS HAVE BEEN STABILIZED WITH THE ESTABLISHMENT OF PERMANENT VEGETATION. REMOVE ALL TEMPORARY MEASURES ONLY AFTER AN INSPECTION FROM NCDNR, SMOOTH AREAS TO BLEND WITH ADJOINING AREAS AND STABILIZE PROPERLY.
  - PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE VEGETATED. STABILIZE SLOPES AND GRADED AREAS AS SHOWN ON STABILIZATION TIMEFRAMES TABLE. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER). HOWEVER, NPDES GROUND COVER REQUIREMENTS TAKE PRECEDENCE.

- MAINTENANCE:**
- ALL APPLICABLE E&S MEASURES MUST BE MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
  - EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
  - SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.



- CONSTRUCTION SEQUENCE:**
- SET UP BYPASS PUMP AND TEMPORARY PIPING. PLACE OUTLET OF TEMPORARY PIPE TO MINIMIZE EROSION AT DISCHARGE SITE OR PROVIDE TEMPORARY ENERGY DISSIPATION MEASURES. FIRMLY ANCHOR PUMP AND PIPING.
  - CONSTRUCT OUTLET PROTECTION IF NEEDED.
  - CONSTRUCT IMPERVIOUS DIKE UPSTREAM OF WORK AREA TO IMPROVE WATER FOR BYPASS PUMP INTAKE. USE A FLOATING INTAKE FOR PUMPS WHERE POSSIBLE.
  - CONSTRUCT AN IMPERVIOUS DIKE DOWNSTREAM, IF NECESSARY, TO ISOLATE WORK AREA.
  - CHECK OPERATION OF PUMP AND PIPING SYSTEM.
  - UPON COMPLETION OF CONSTRUCTION, REMOVE IMPERVIOUS DIKE, BYPASS PUMP, AND TEMPORARY PIPE.
- MAINTENANCE:**
- ROUTINELY INSPECT BYPASS PUMP AND TEMPORARY PIPING TO ENSURE PROPER OPERATION.
  - INSPECT IMPERVIOUS DIKE FOR LEAKS AND REPAIR ANY DAMAGE.
  - INSPECT DISCHARGE POINT FOR EROSION.
  - ENSURE FLOW IS ADEQUATELY DIVERTED THROUGH PIPE.

BYPASS PUMPING DETAIL  
NO SCALE

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CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**PHASE 1**  
**SEDIMENTATION**  
**AND EROSION**  
**CONTROL PLAN**

REVISION	DATE	BY	DATE: March 14, 2023

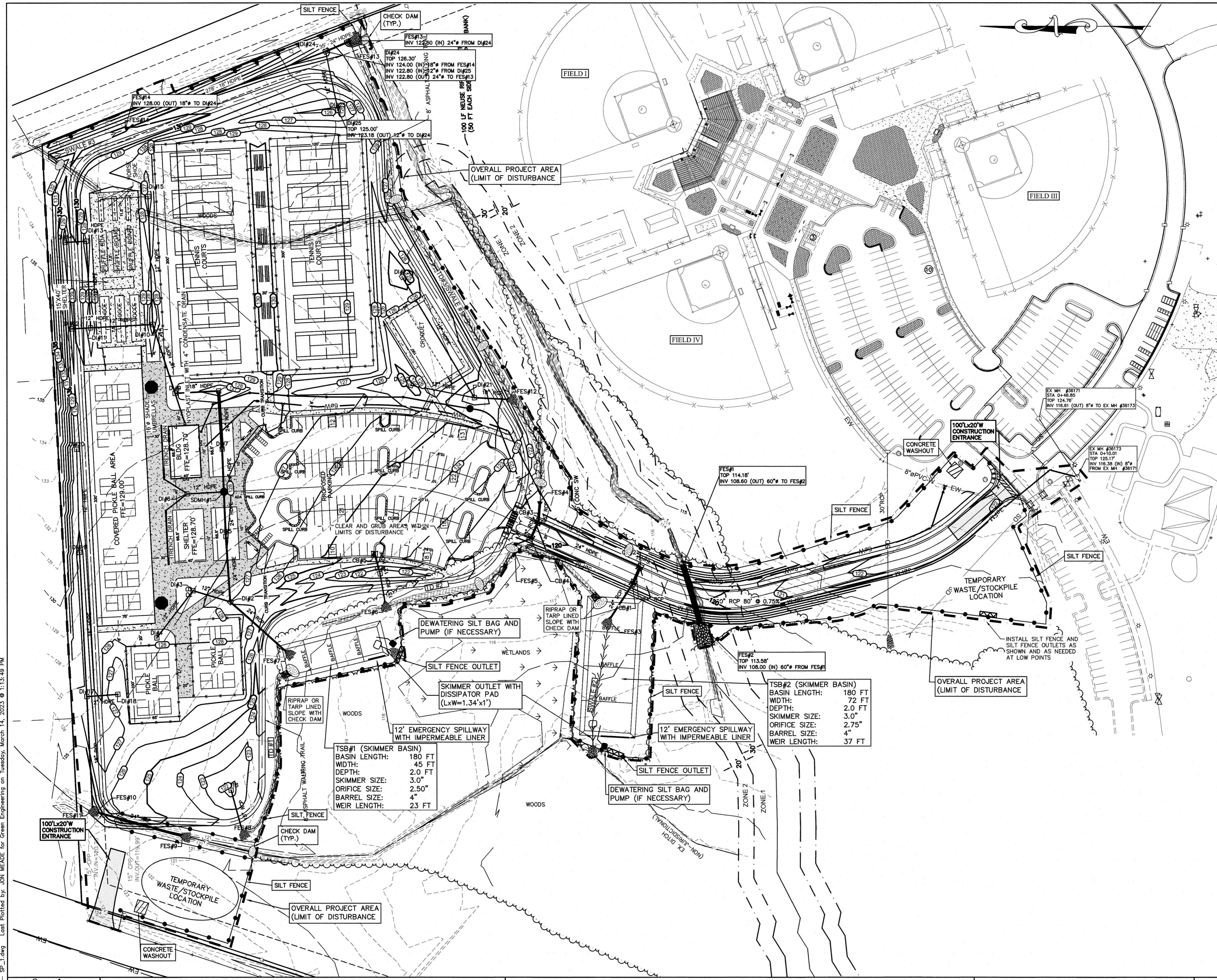
GRAPHIC SCALES

SCALE IN FEET

CLIENT CODE: WILSO  
JOB NUMBER: 21-194  
FIELD BOOK: CW  
CADFILE:  
ASCII FILE:  
LAST MODIFIED: 14-Mar-23  
MODIFIED BY: GLB

SHEET NO. 9 OF 17





**PHASE 2 CONSTRUCTION SEQUENCE:**

- OBTAIN GRADING PERMIT PRIOR TO BEGINNING CONSTRUCTION. CONTACT NCDEQ—LAND QUALITY SECTION A MINIMUM OF 48 HOURS PRIOR TO PROJECT ACTIVATION TO SCHEDULE A PRE-CONSTRUCTION MEETING (919-791-4200). FAILURE TO DO SO WILL RESULT IN A NOTICE OF VIOLATION. OWNER SHALL MAKE THE NOTIFICATION.
- EROSION AND SEDIMENT CONTROL (E&S) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES (INCLUDING TIMBERING AND DEMOLITION) OCCUR. THE COC CAN BE OBTAINED BY FILING OUT THE ELECTRONIC NOTICE OF INTENT (E-NOT) FORM AT [DEQ.NCDEQ.GOV/NC001](http://DEQ.NCDEQ.GOV/NC001). PLEASE NOTE: THE E-NOT FORM MAY ONLY BE FILLED OUT ONCE THE PLANS HAVE BEEN APPROVED. A COPY OF THE E&S PERMIT, COC, AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREFERABLY IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION.
- INSTALL PERMIT BOX ON SITE WITH THE APPROVED E&S PLAN WITH PLACARD AND NCDENR PERMIT APPROVAL LETTER. INSTALL RAIN GAGE AND LOG BOOK AT PERMIT BOX.
- OWNER OR OWNER'S REPRESENTATIVE WILL BE RESPONSIBLE TO UPDATE AND MAINTAIN THE SELF INSPECTION FORM. THE FORMS MUST BE KEPT ON SITE AND AVAILABLE FOR REVIEW IF REQUIRED BY THE INSPECTOR. COPY OF NPDES PERMIT WITH A MINIMUM OF 30 DAYS OF SELF-INSPECTION REPORTS ARE TO BE KEPT ON SITE UNTIL PROJECT CLOSURE BY NCDENR. THE THRESHOLD FOR SELF-INSPECTION HAS CHANGED FROM 0.5 INCHES TO 1 INCH OF RAINFALL. MEASURES MUST BE INSPECTED AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT EQUAL TO OR GREATER THAN 1.0 INCH PER 24 HOUR PERIOD.
- E&S MEASURES ARE TO BE INSTALLED AT ANY AREAS USED FOR CONTRACTOR EQUIPMENT STAGING, MATERIALS LAYDOWN, SPOIL OR WASTE AREAS.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION BY CONTACTING NORTH CAROLINA 811 (NC811)
- BEGIN INSTALLATION OF STORM DRAINAGE SYSTEM AND UTILITIES. UNTIL BOXES ARE BUILT AND YARD INLET DEVICES INSTALLED, INSTALL AND MAINTAIN STORM DRAIN UNDER CONSTRUCTION DEVICE AT END OF DAY OR ONSET OF RAIN. SILT SOCKS MAY BE USED IN AREAS AROUND CURB INLETS.
- BEGIN INSTALLATION OF BUILDING PADS AND PLAYING CURB BASES.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES REQUIRED TO PROTECT THE EXISTING PAVEMENT FROM DAMAGE AND ALL MATERIALS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH DAY. A WASH STATION MAY BE REQUIRED IF NECESSARY. TO FACILITATE CLEAN UP, A LAYER OF SAND, FINES OR SCREENINGS WILL BE PLACED ON IMPERVIOUS SURFACES BEFORE DEPOSITION OF ANY EXCAVATED MATERIAL.
- ANY DEWATERING IS TO BE DONE THROUGH A SILT BAG WITH A FLOATING INTAKE THAT IS CONSTANTLY MONITORED WHILE IN USE.
- CONTRACTOR SHALL INSPECT THE SITE AND UPDATE THE LOG BOOK AFTER SIGNIFICANT RAINFALL (GREATER THAN 1" RAIN).
- CONTRACTOR IS RESPONSIBLE FOR CORRECTION AND REPAIRING ANY IMPROPERLY INSTALLED OR DAMAGED EROSION CONTROL DEVICE IMMEDIATELY.
- ALL SEDIMENT CONTROL DEVICES MUST BE MAINTAINED UNTIL ALL UPGRADE DRAINAGE AREAS HAVE BEEN STABILIZED WITH THE ESTABLISHMENT OF PERMANENT VEGETATION. REMOVE ALL TEMPORARY MEASURES ONLY AFTER AN INSPECTION FROM NCDENR, SMOOTH AREAS TO BLEND WITH ADJOINING AREAS AND STABILIZE PROPERLY.
- PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE VEGETATED. STABILIZE SLOPES AND GRADED AREAS AS SHOWN ON STABILIZATION TIMEFRAMES TABLE. PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER). HOWEVER, NPDES GROUNDCOVER REQUIREMENTS TAKE PRECEDENCE.
- WHEN THE PROJECT IS COMPLETE, THE PERMITTEE SHALL CONTACT DEMLR TO CLOSE OUT THE E&S PLAN. AFTER DEMLR INFORMS THE PERMITTEE OF THE PROJECT CLOSE OUT, VIA INSPECTION REPORT, THE PERMITTEE SHALL VISIT DEMLR'S WEBSITE TO SUBMIT AN ELECTRONIC NOTICE OF TERMINATION (E-NOT). A \$100 ANNUAL GENERAL PERMIT FEE WILL BE CHARGED UNTIL THE E-NOT HAS BEEN FILLED OUT.

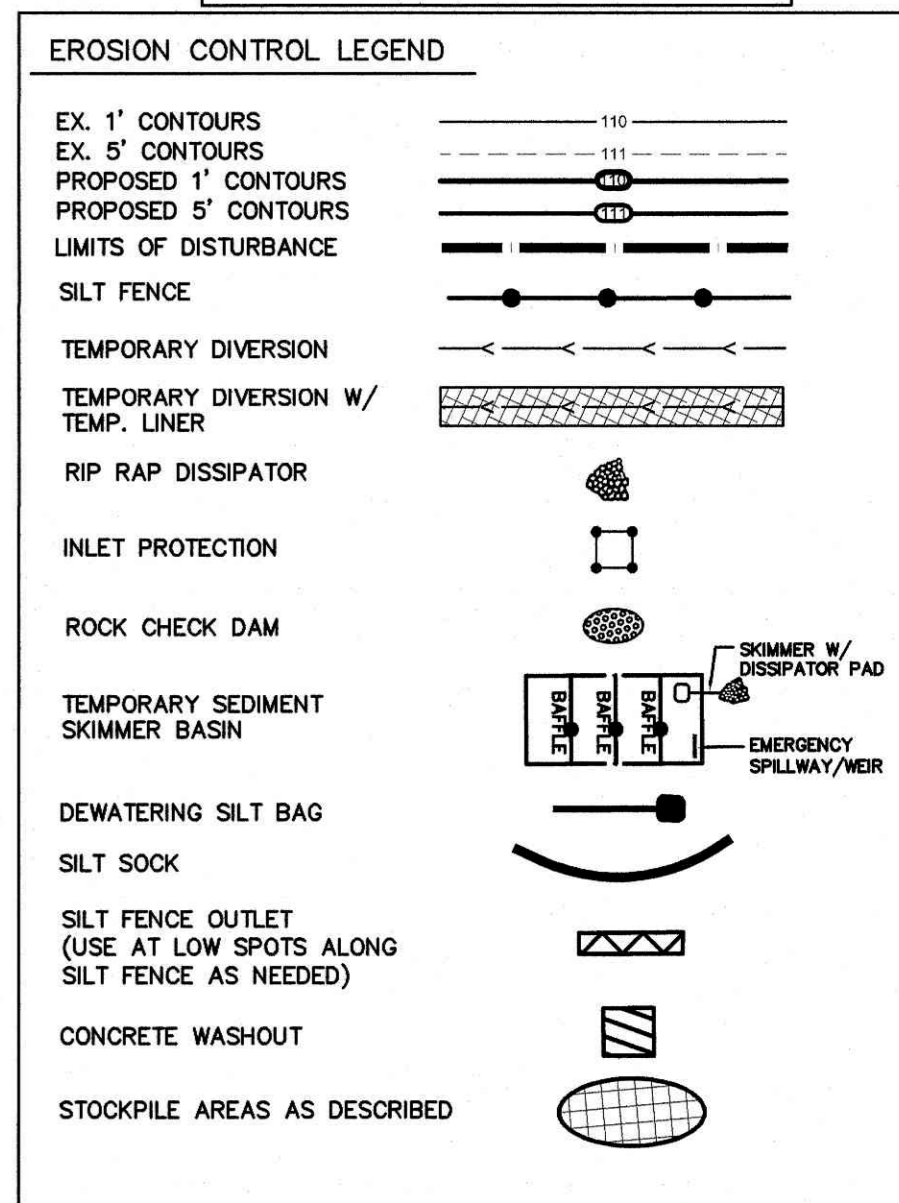
**MAINTENANCE:**

- ALL APPLICABLE E&S MEASURES MUST BE MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
- SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.

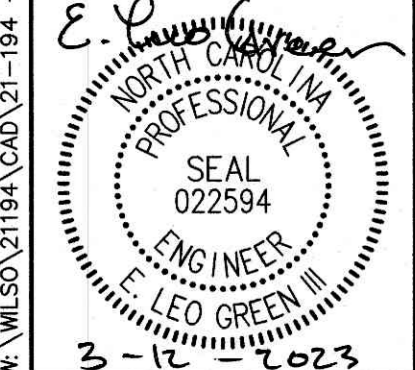
**NEW NCG01 GUIDELINES:**  
 CONSTRUCTION ACTIVITIES THAT HAVE AN E&S PLAN APPROVED ON OR AFTER APRIL 1, 2019 ARE REQUIRED TO FILL OUT AND SUBMIT AN ELECTRONIC NOTICE OF INTENT (E-NOT) FORM. ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO FOLLOW THE NEW NCG01 PERMIT REGARDLESS OF WHEN THEY WERE APPROVED.

**NOTIFICATION OF LAND RESOURCES SEDIMENT AND EROSION CONTROL SELF-INSPECTION PROGRAM:**  
 THE SEDIMENT POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. THE RULES DETAILING THE DOCUMENTATION OF THESE WEEKLY INSPECTIONS TOOK EFFECT OCTOBER 1, 2010. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS MUST BE CONDUCTED AFTER EACH PHASE WITH NCGS 113A-54.1 AND 15A NCAC 48.0131. THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM [HTTP://PORTAL.NCDENR.ORG/WEB/LOR/EROSION](http://portal.ncdenr.org/web/lor/erosion). IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT NCDENR LAND QUALITY SECTION OFFICE AT (919) 791-4200.

**TOTAL DISTURBED AREA: 13.9 ACRES±**



W:\WLSO\_21194\CAD\21-194 - SP\_1.dwg Last Plotted by: JON MEADE for Green Engineering on Tuesday, March 14, 2023 @ 11:32:49 PM



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NORTH CAROLINA FIRM LICENSE: P-0115  
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 TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

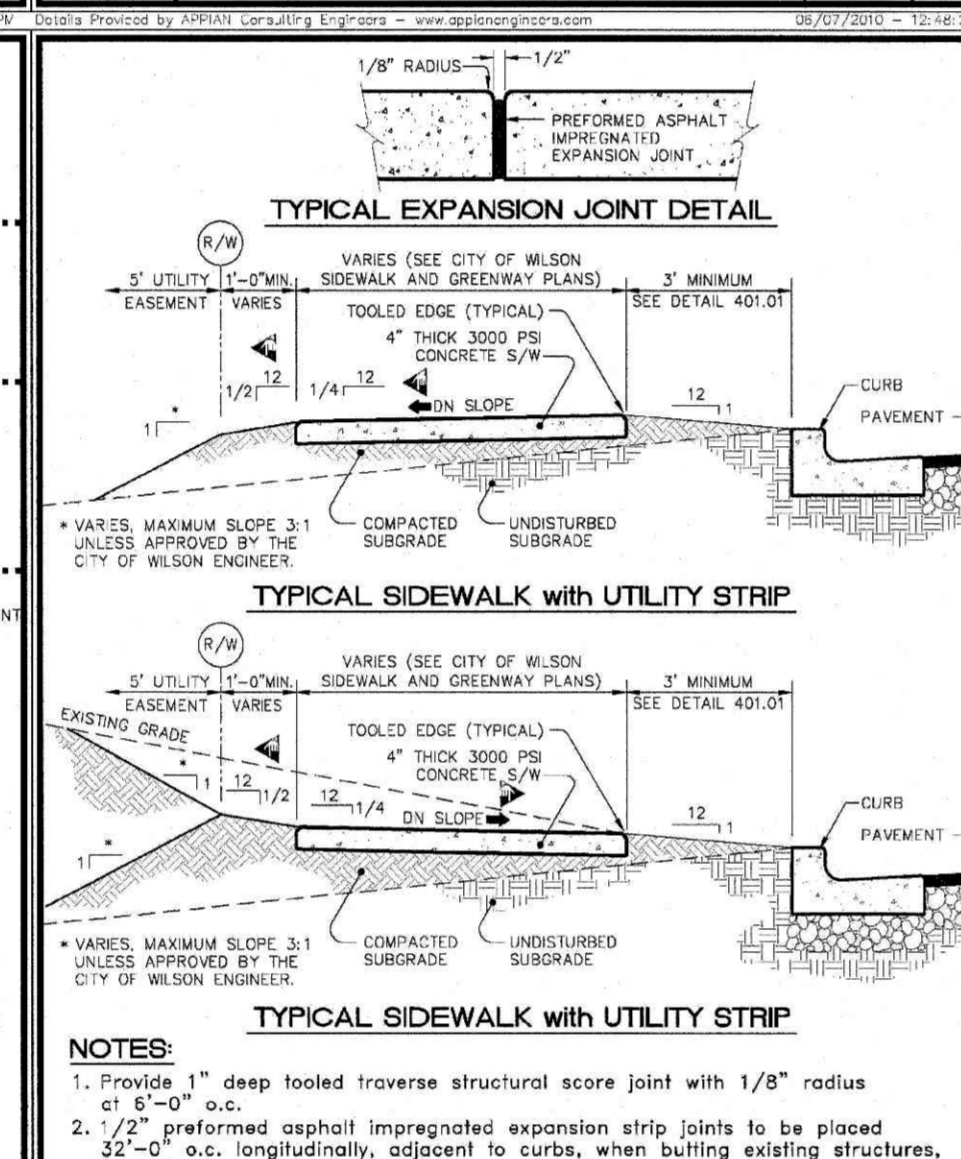
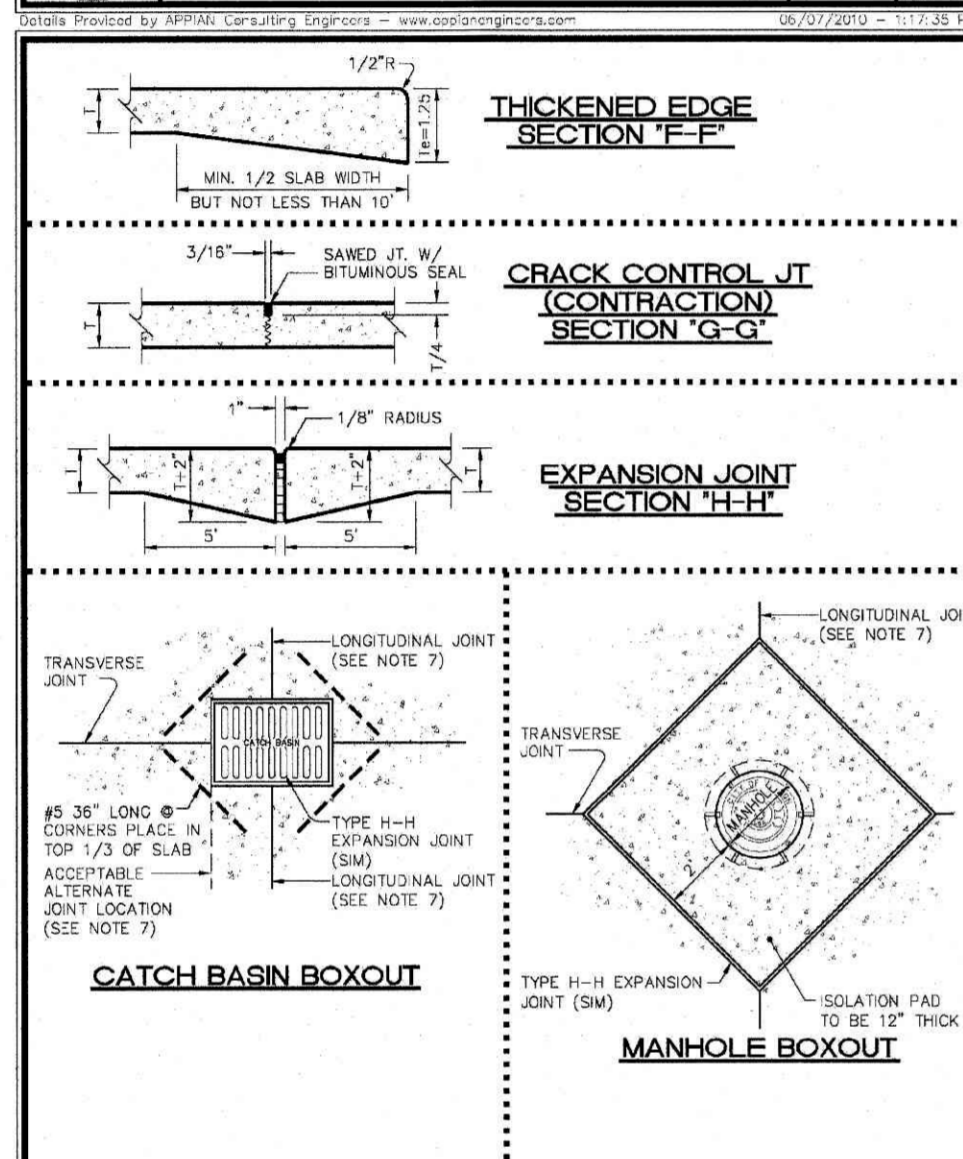
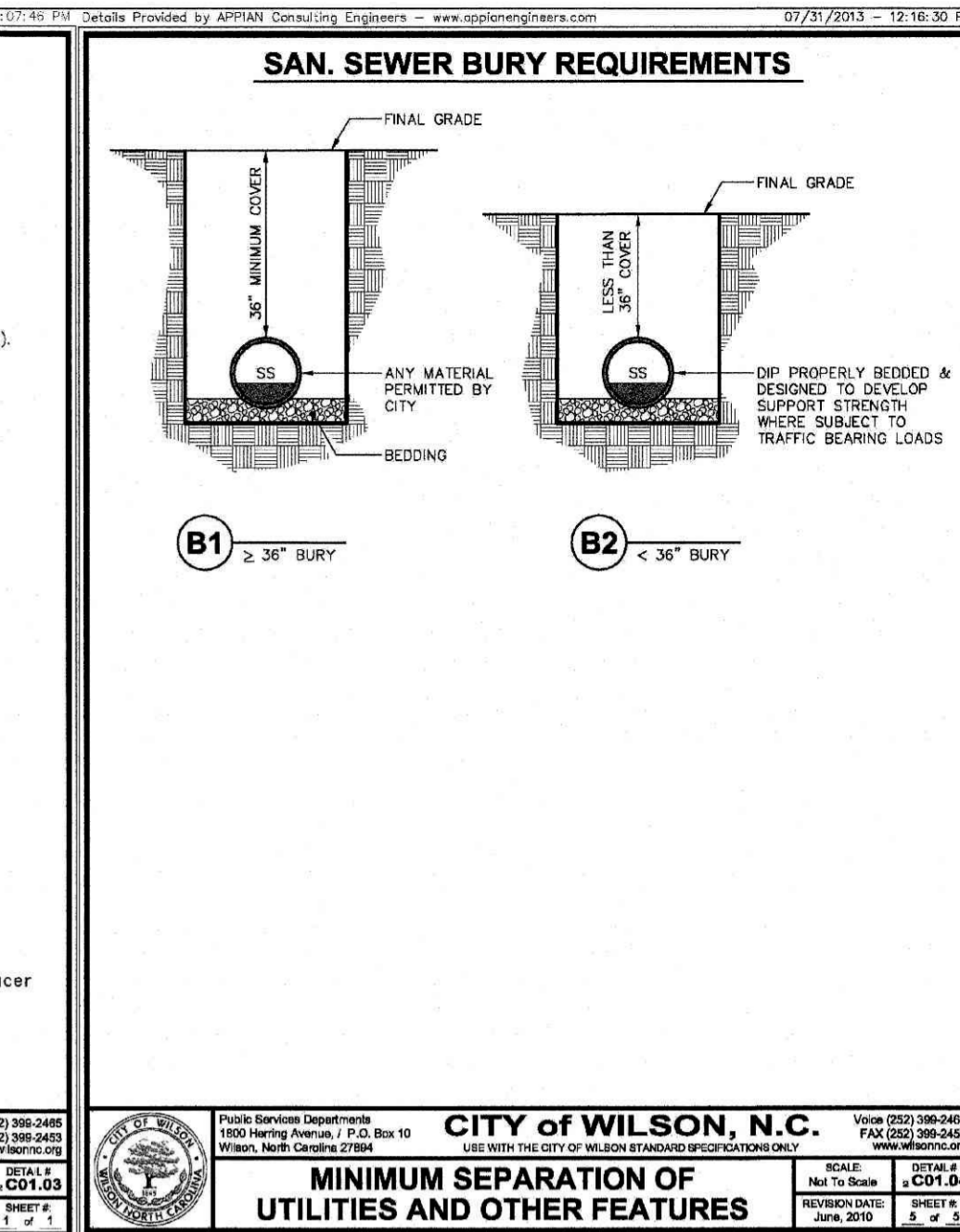
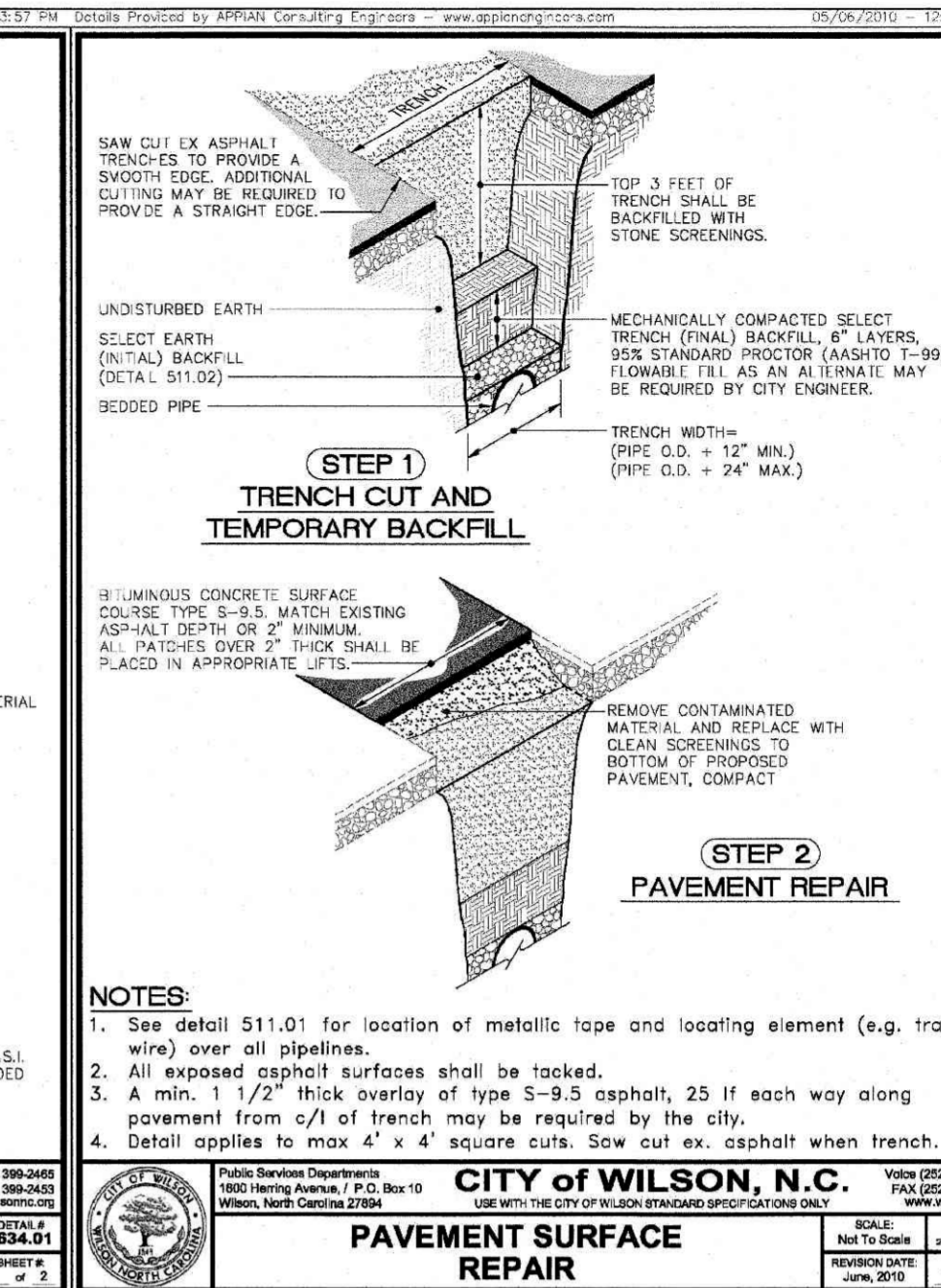
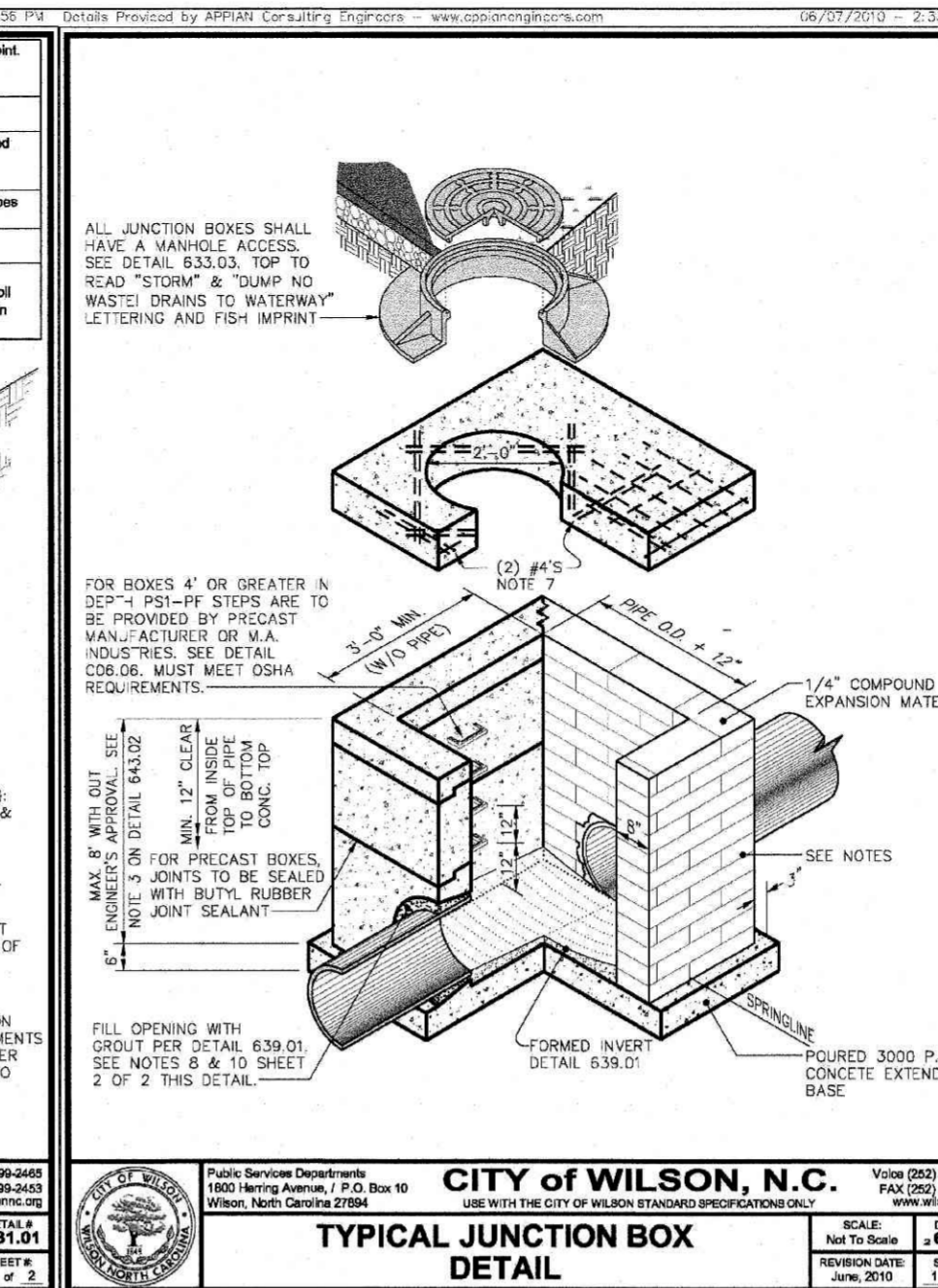
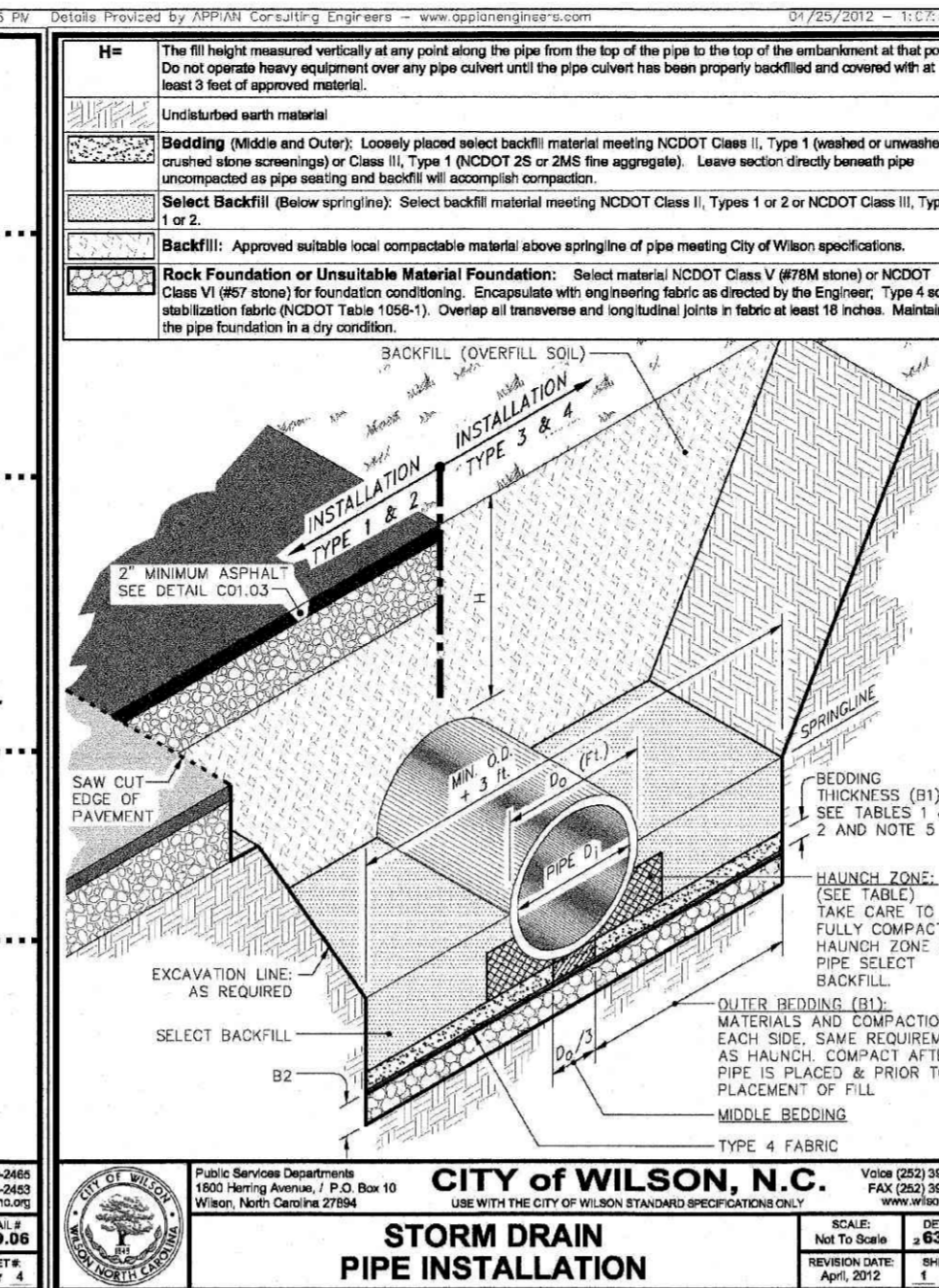
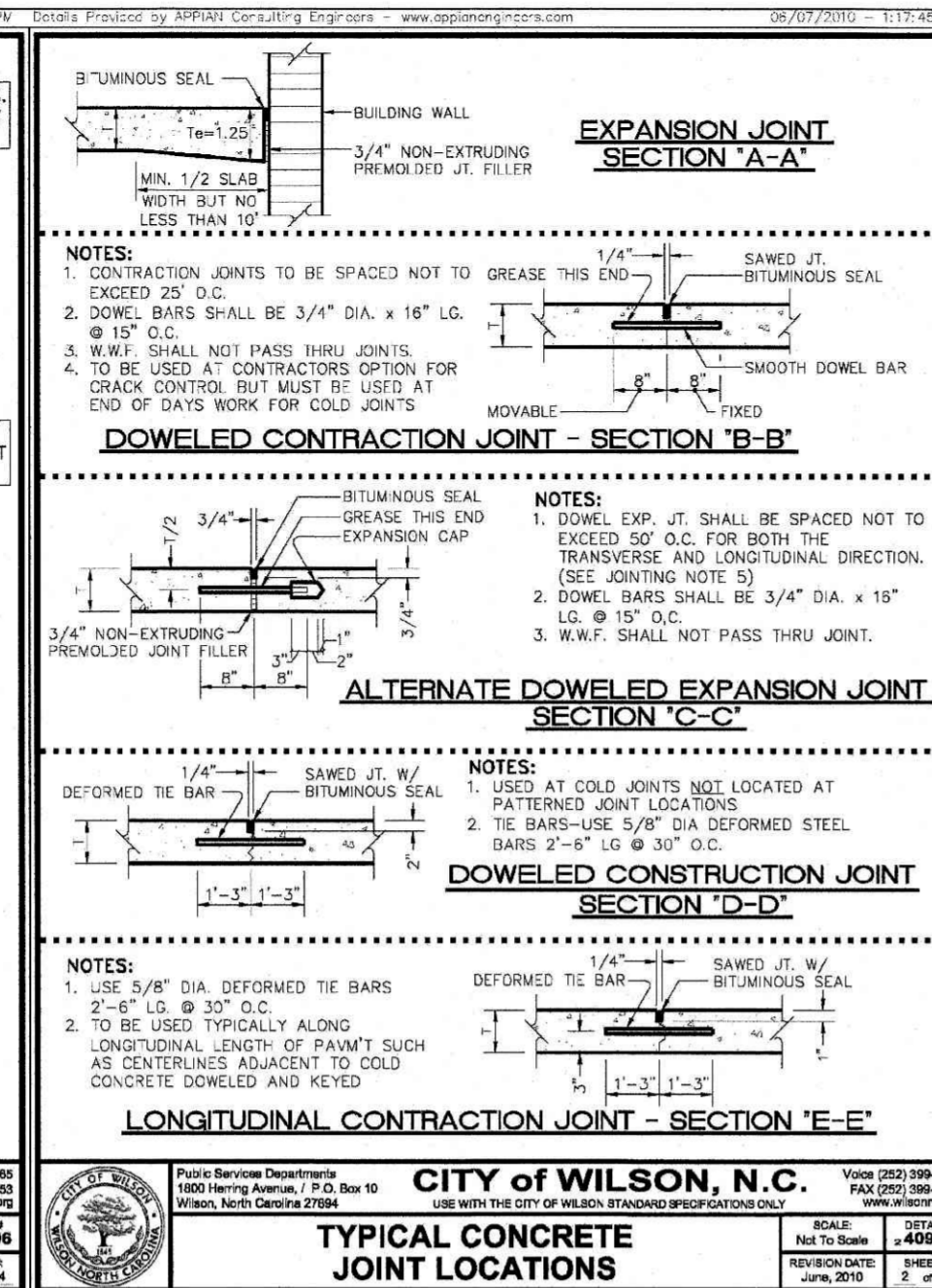
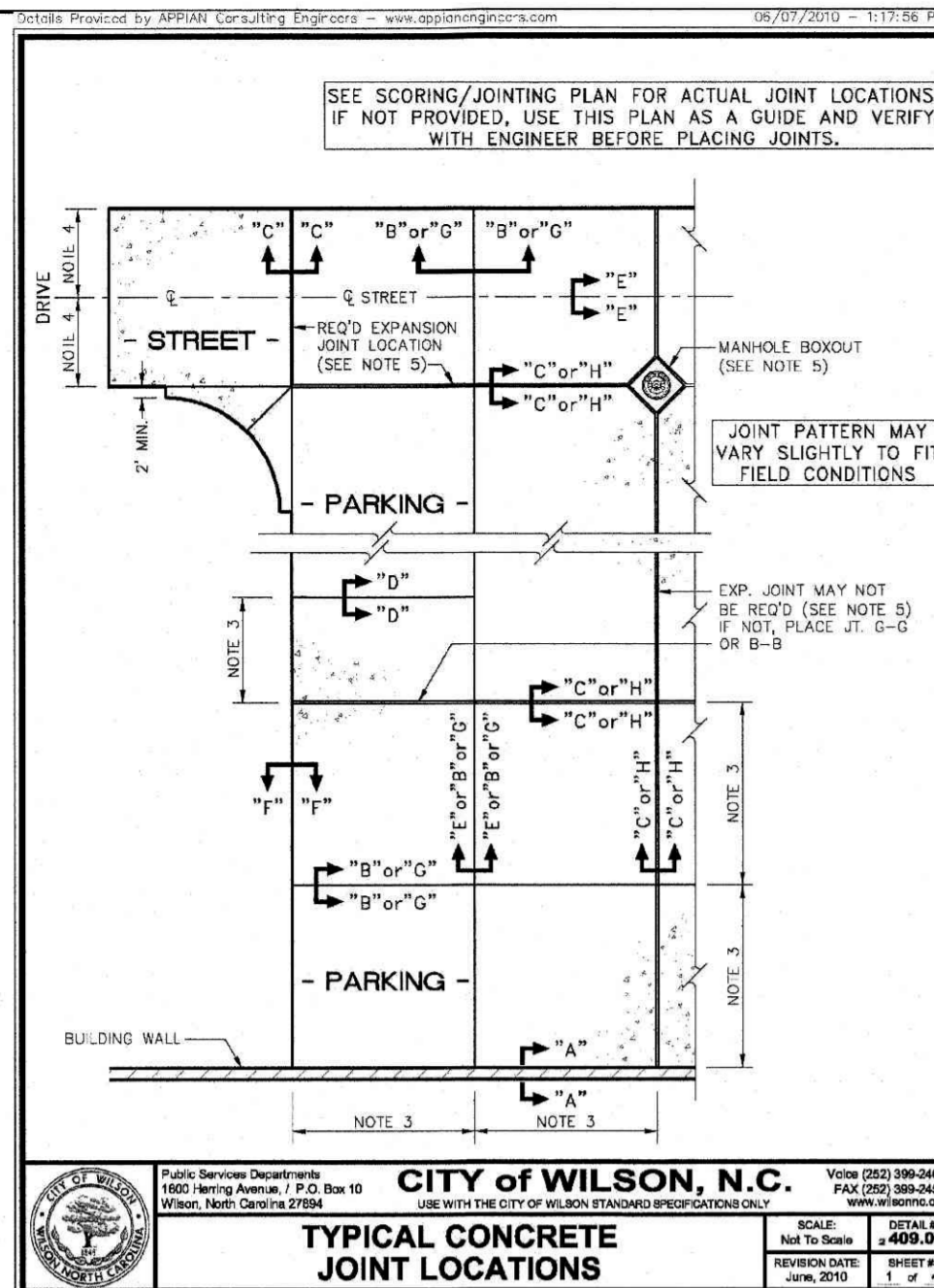
**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**

CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**PHASE 2**  
**SEDIMENTATION**  
**AND EROSION**  
**CONTROL PLAN**

REVISION	DATE	BY	DATE: March 14, 2023
			GRAPHIC SCALES
			0 60 120 SCALE IN FEET
			CLIENT CODE: WLSO JOB NUMBER: 21-194 FIELD BOOK: CW CADFILE: ASCII FILE: LAST MODIFIED: 14-Mar-23 MODIFIED BY: GLB
			SHEET NO. 10 OF 17





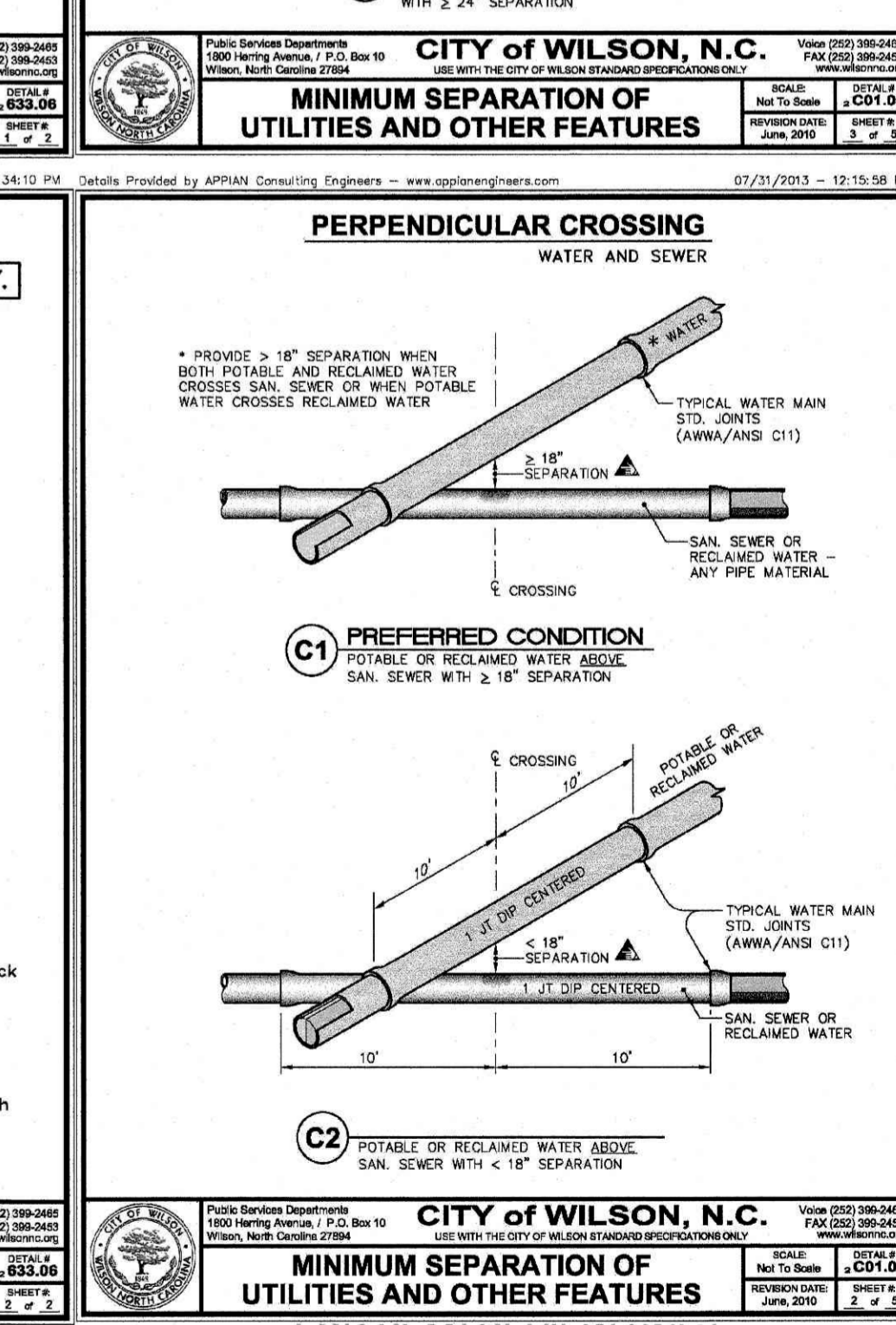
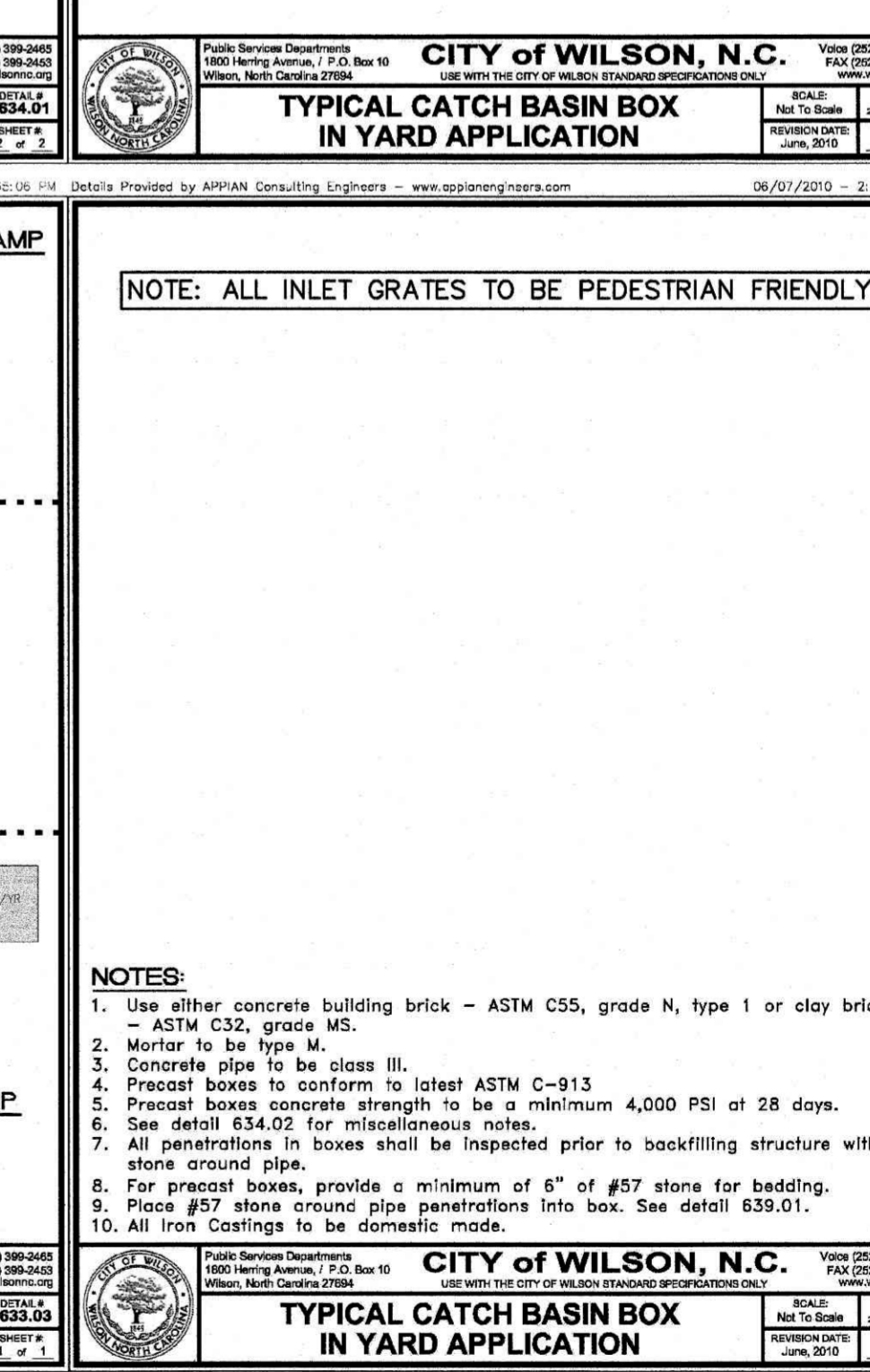
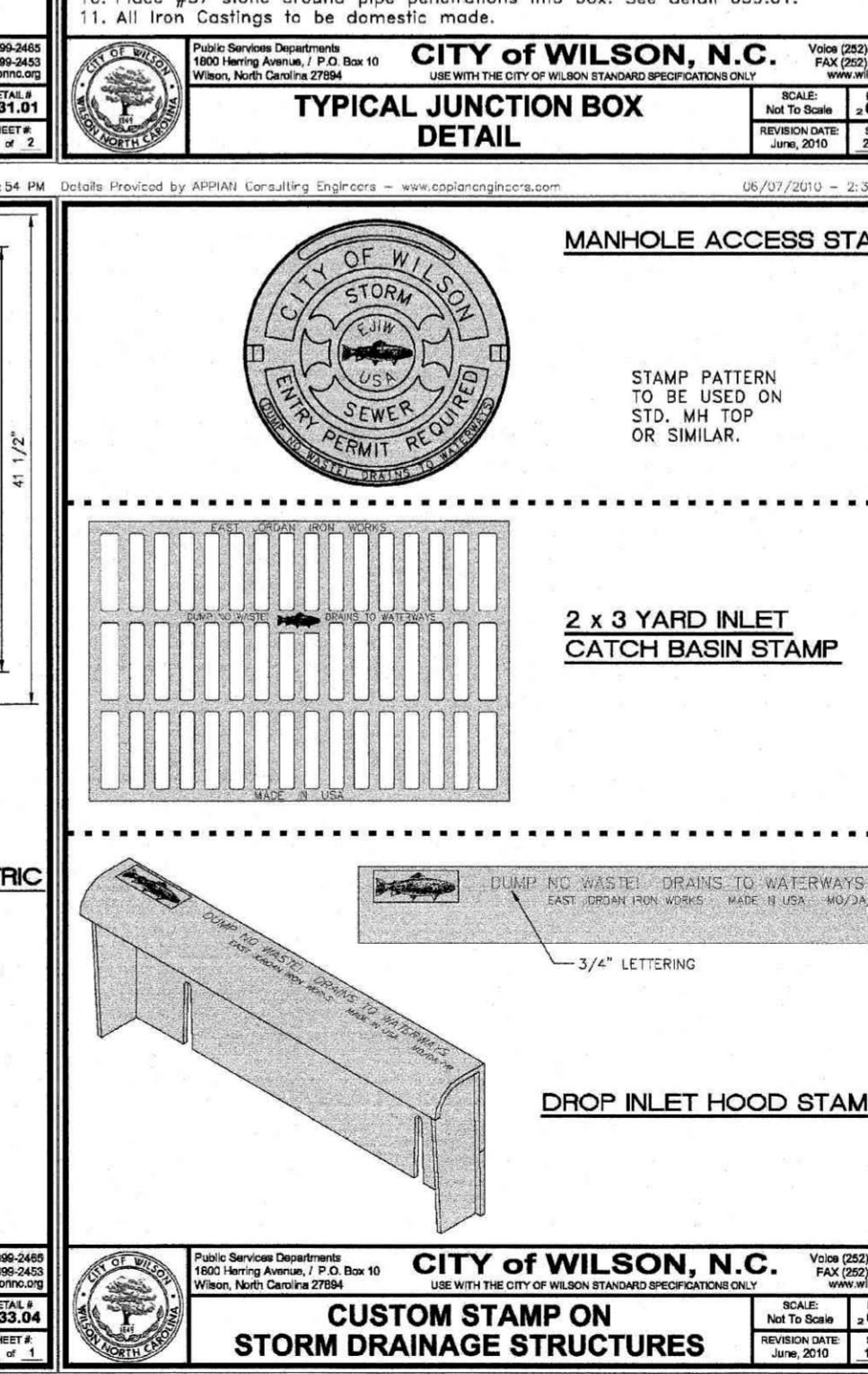
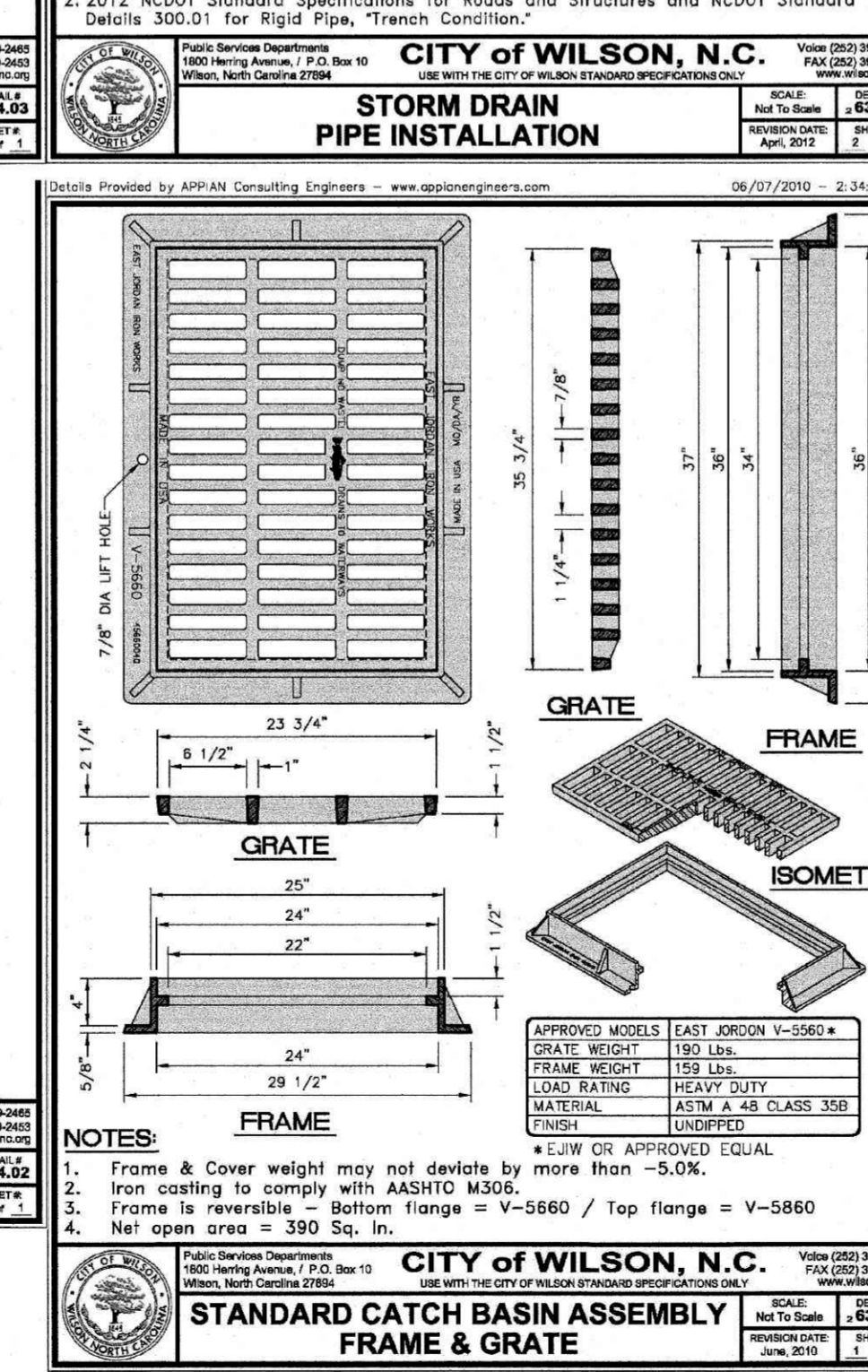
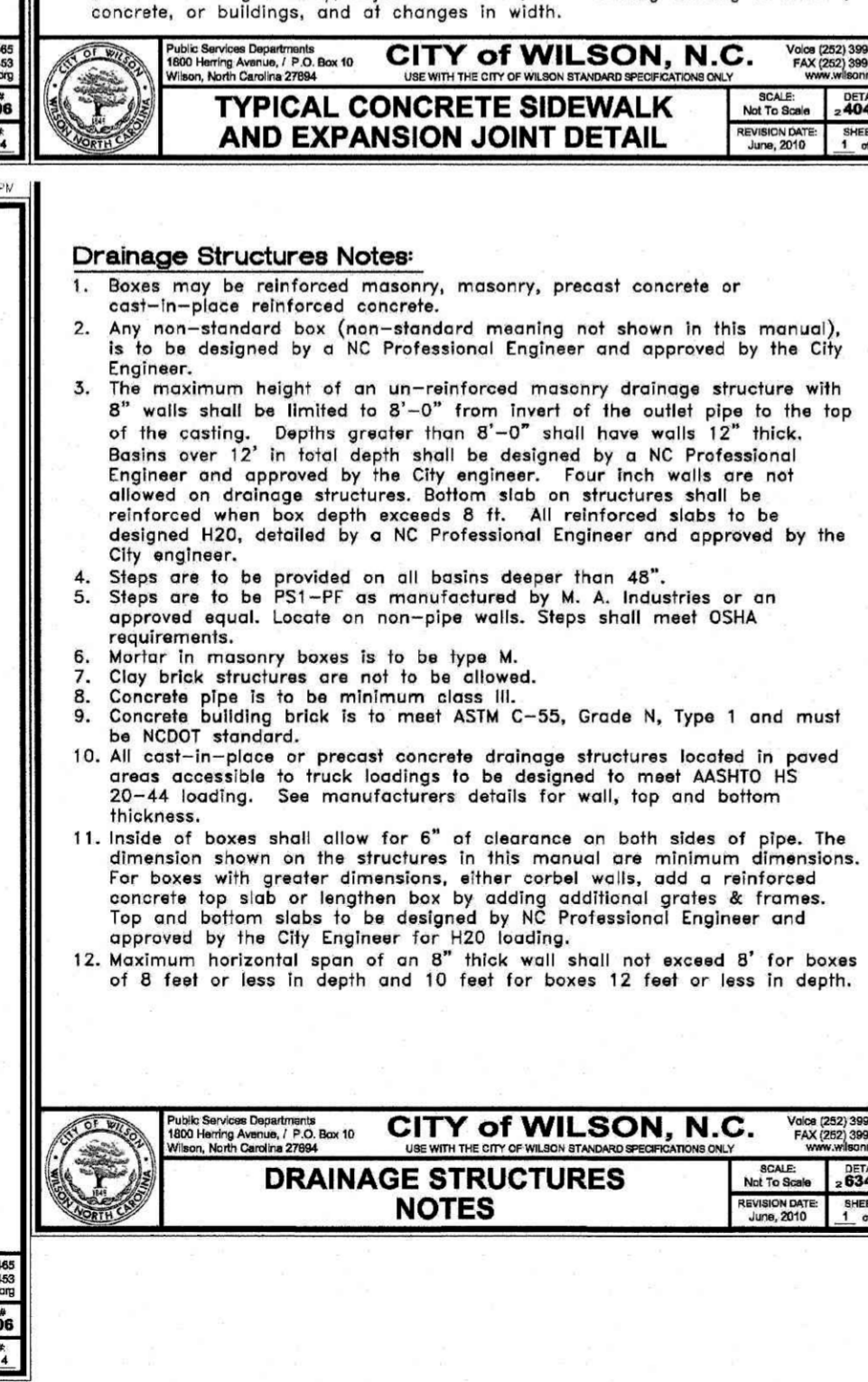
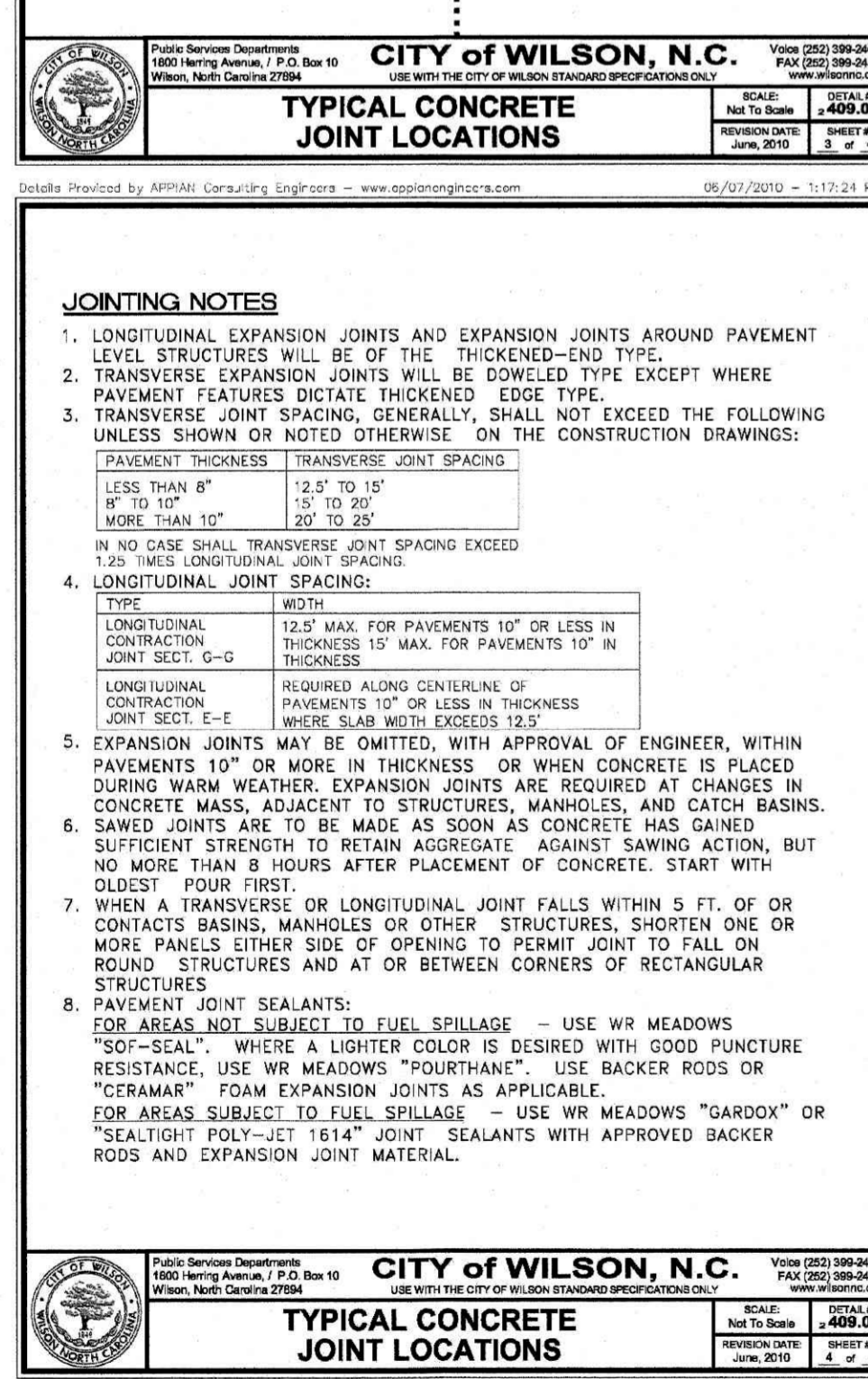
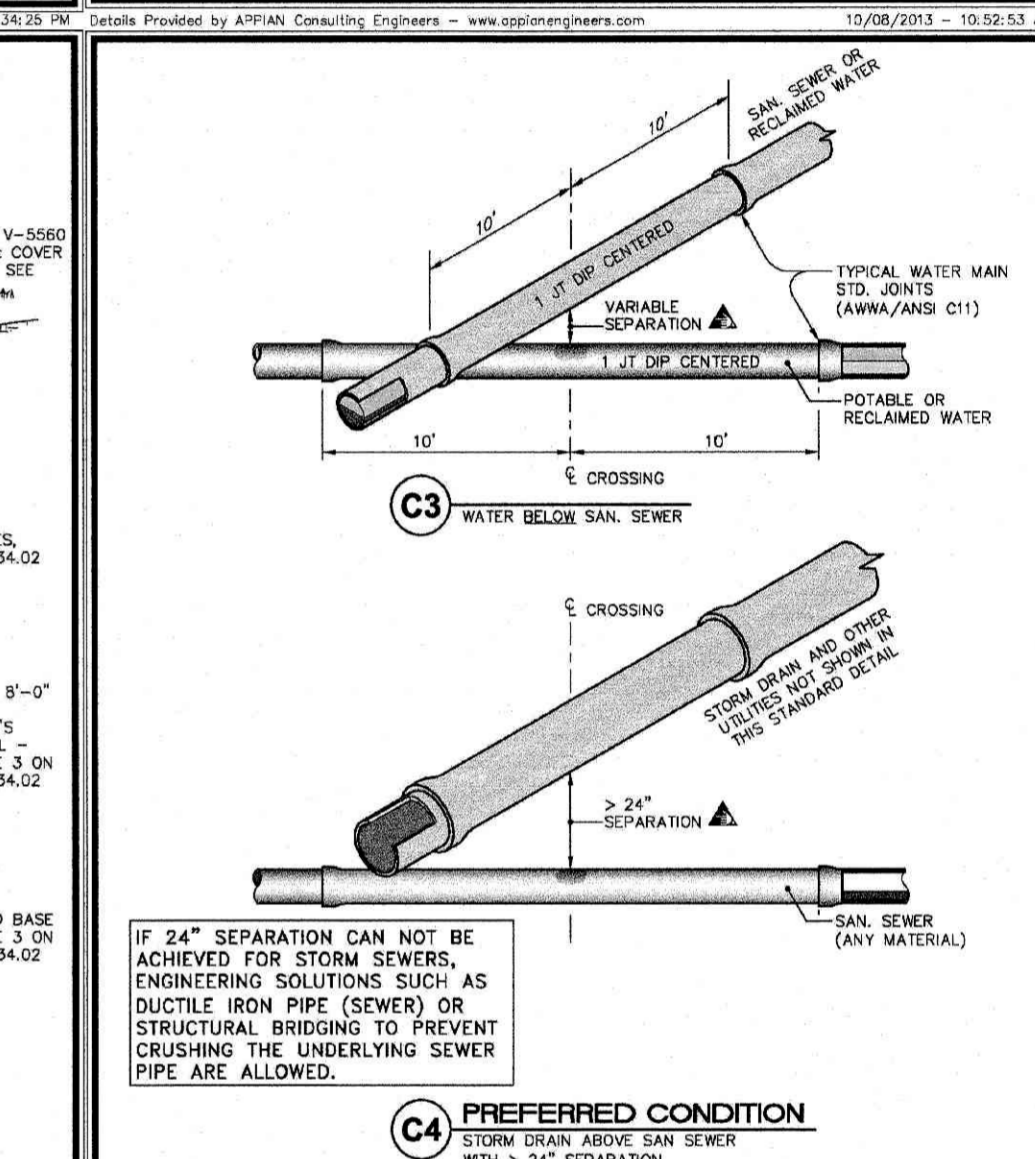
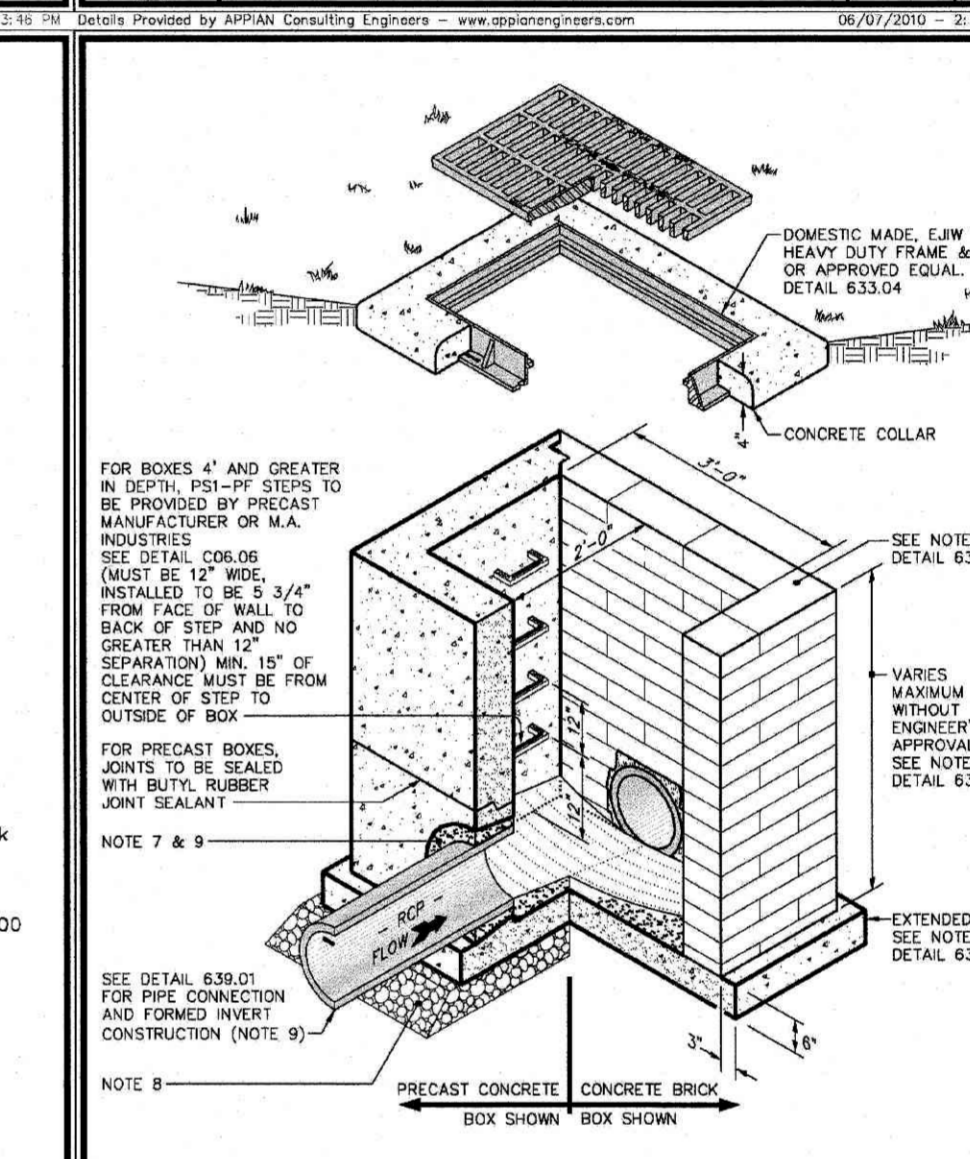
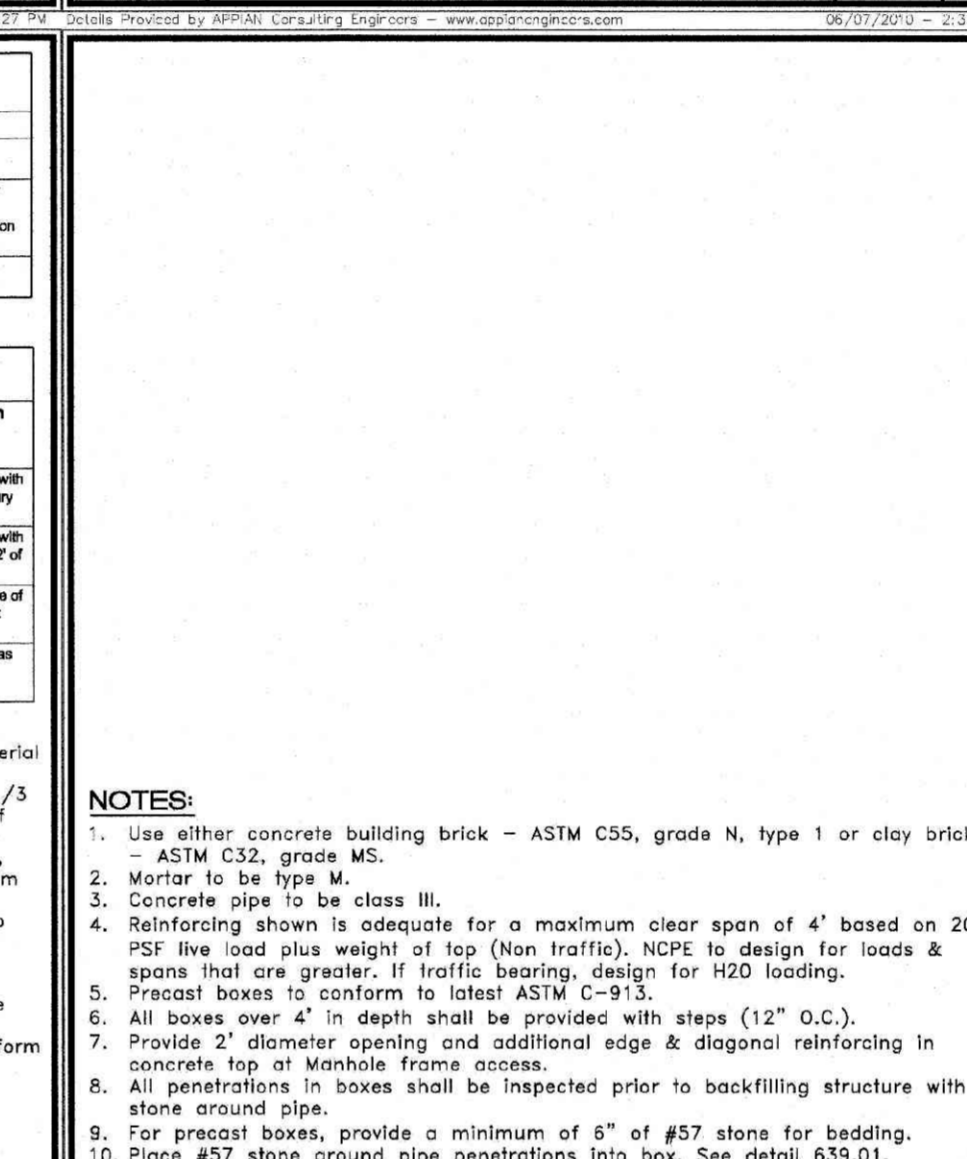
**Table 1**  
Equivalent USCS<sup>a</sup> and AASHTO Soil Classifications for SID<sup>b</sup> Soil Designations

**Table 2**  
Standard Installations Soils and Minimum Compaction Requirements

Notes: 1. Compaction and soil symbols - i.e. "95% Category 1" refers to Category 1 soil material with minimum standard Proctor compaction of 95%. 2. Soil in the outer bedding, haunch, and lower side zones, except under the middle 1/3 of the pipe, shall be compacted to at least the same compaction as the majority of the soil in the overall (outside) zone. 3. For trenches, the top elevation shall be no lower than finished grade or, for roadways, the top shall be no lower than elevation of 1-foot below the bottom of the pavement base material. 4. For trenches, the width shall be wider than shown if required for adequate space to obtain the specified compaction in the haunch and bedding zones. 5. Compact outer bedding after pipe is placed and prior to placement of select fill. Middle bedding is uncompact. 6. Overfill (backfill) soils to be placed per standard specification 02630 Storm Drainage for backfill. 7. These two tables were excerpted from Design Data 9 and modified to generally conform to the NCDOT Standards as shown in Detail 300.01, Rigid Pipe in Trench Condition.

Reference Sources:  
1. AASHTO Design Data 9 [April 2009] (formerly Design Data 4).  
2. 2012 NCDOT Standard Specifications for Roads and Structures and NCDOT Standard Details 300.01 for Rigid Pipe, "Trench Condition."

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**STANDARD CATCH BASIN ASSEMBLY FRAME & GRATE**

Notes: 1. Frames & Cover weight may not deviate by more than -5.0%. 2. Iron coating to comply with AASHTO M308. 3. Frame is reversible. Bottom flange = V-5660 / Top flange = W-5860 4. Net open area = 390 Sq. In.

CITY OF WILSON, N.C. (Title block with project info)

**STANDARD CATCH BASIN ASSEMBLY FRAME & GRATE**

Notes: 1. Frames & Cover weight may not deviate by more than -5.0%. 2. Iron coating to comply with AASHTO M308. 3. Frame is reversible. Bottom flange = V-5660 / Top flange = W-5860 4. Net open area = 390 Sq. In.

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**CUSTOM STAMP ON STORM DRAINAGE STRUCTURES**

Notes: 1. STAMP PATTERN TO BE USED ON STD. MH TOP OR SIMILAR. 2. 2 x 3 YARD INLET CATCH BASIN STAMP. 3. DROP INLET HOOD STAMP.

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**TYPICAL CATCH BASIN BOX IN YARD APPLICATION**

Notes: 1. USE EITHER CONCRETE BUILDING BRICK - ASTM C55, grade N, type 1 or clay brick - ASTM C32, grade MS. 2. Mortar to be type M. 3. Concrete pipe to be class III. 4. Reinforcing shown is adequate for a maximum clear span of 4' based on 200 pcf the load plus weight of top (Non traffic). NOTE to design for loads & spans that are greater, if traffic bearing, design for H20 loading. 5. Precast boxes to conform to listed ASTM C-913. 6. All boxes over 4' in depth shall be provided with steps (12" O.C.). 7. Provide 2" diameter opening and additional edge & diagonal reinforcing in concrete top of manhole frame access. 8. All penetrations in boxes shall be inspected prior to backfilling structure with stone around pipe. 9. For precast boxes, provide a minimum of 6" of #57 stone for bedding. 10. Place #57 stone around pipe penetrations into box. See detail 633.01. 11. All Iron Castings to be domestic made.

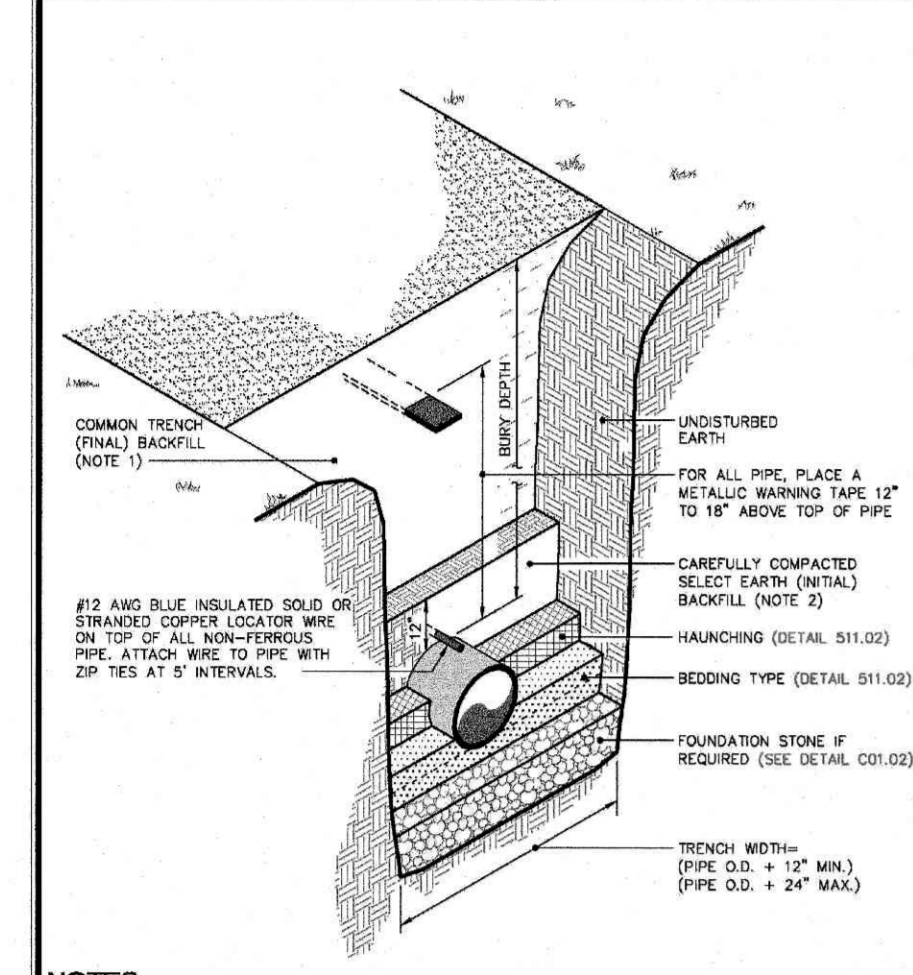
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**MINIMUM SEPARATION OF UTILITIES AND OTHER FEATURES**

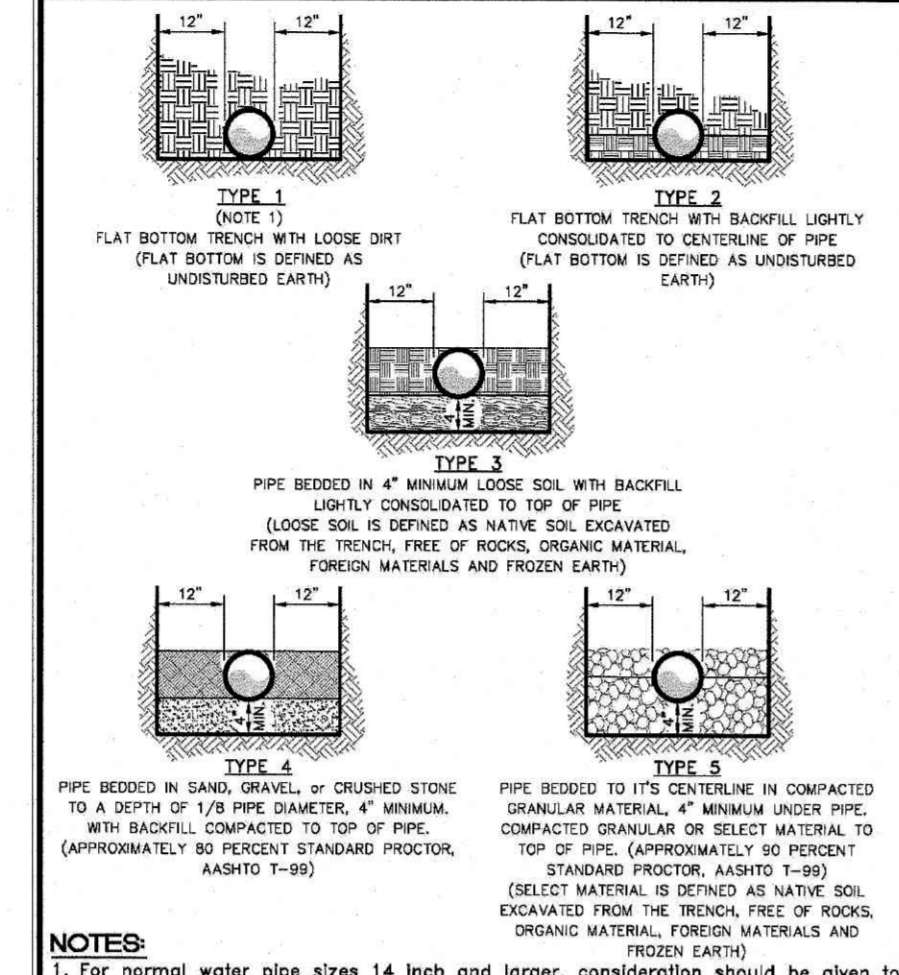
Notes: 1. PROVIDE 18" SEPARATION WHEN BOTH POTABLE AND RECLAIMED WATER CROSSES SAN SEWER OR WHEN POTABLE WATER CROSSES RECLAIMED WATER. 2. TYPICAL WATER MAIN JOINTS (AWWA/ANS C11). 3. SAN SEWER OR RECLAIMED WATER - ANY PIPE MATERIAL.

CITY OF WILSON, N.C. (Title block with project info)





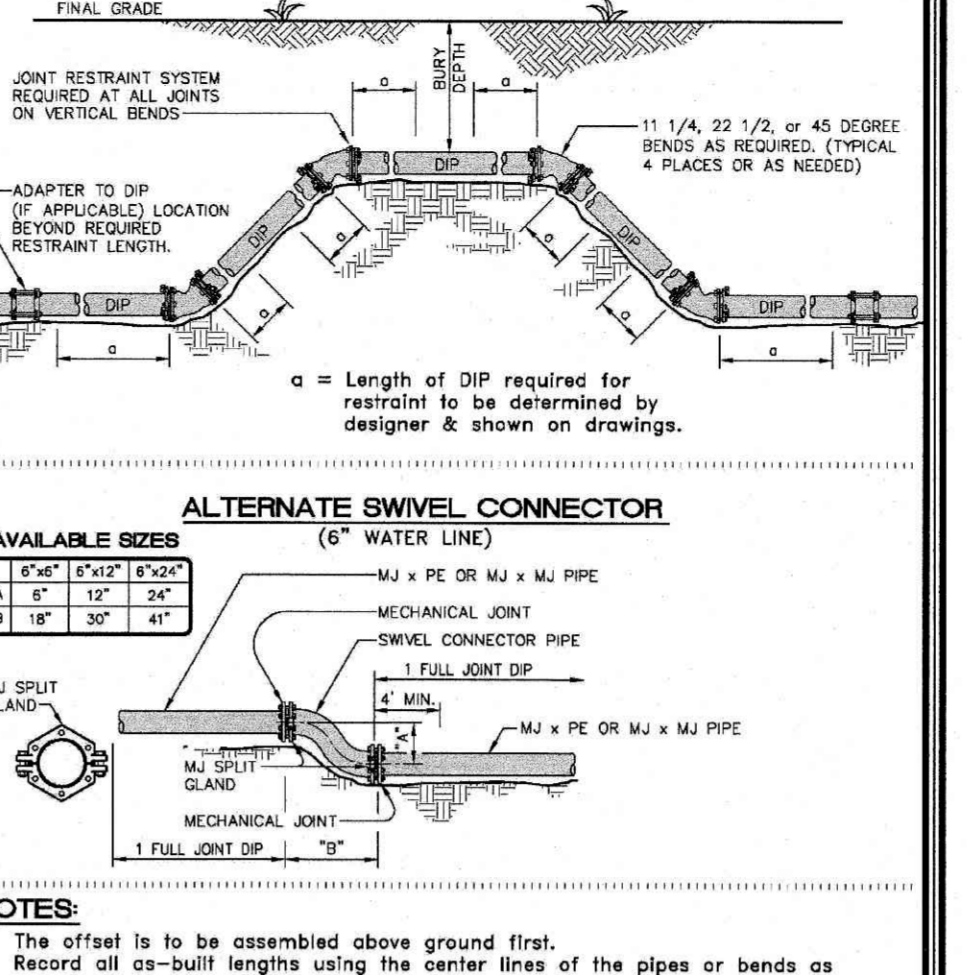
FORCE MAIN & WATER MAIN PIPE LAYING CONDITIONS



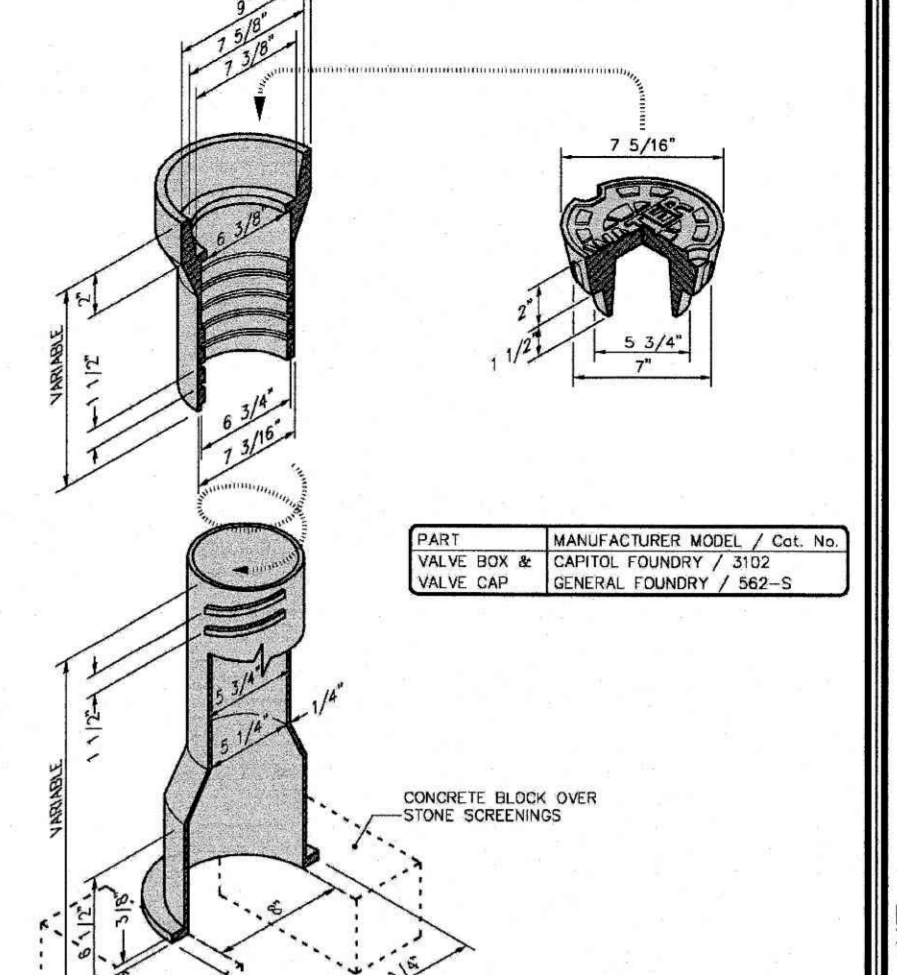
WATER & SANITARY SEWER PIPE EMBEDMENT DETAILS

Table with columns for Nominal Size, Horizontal Bend, Tee, Reducer, and Dead End. Includes design assumptions and notes.

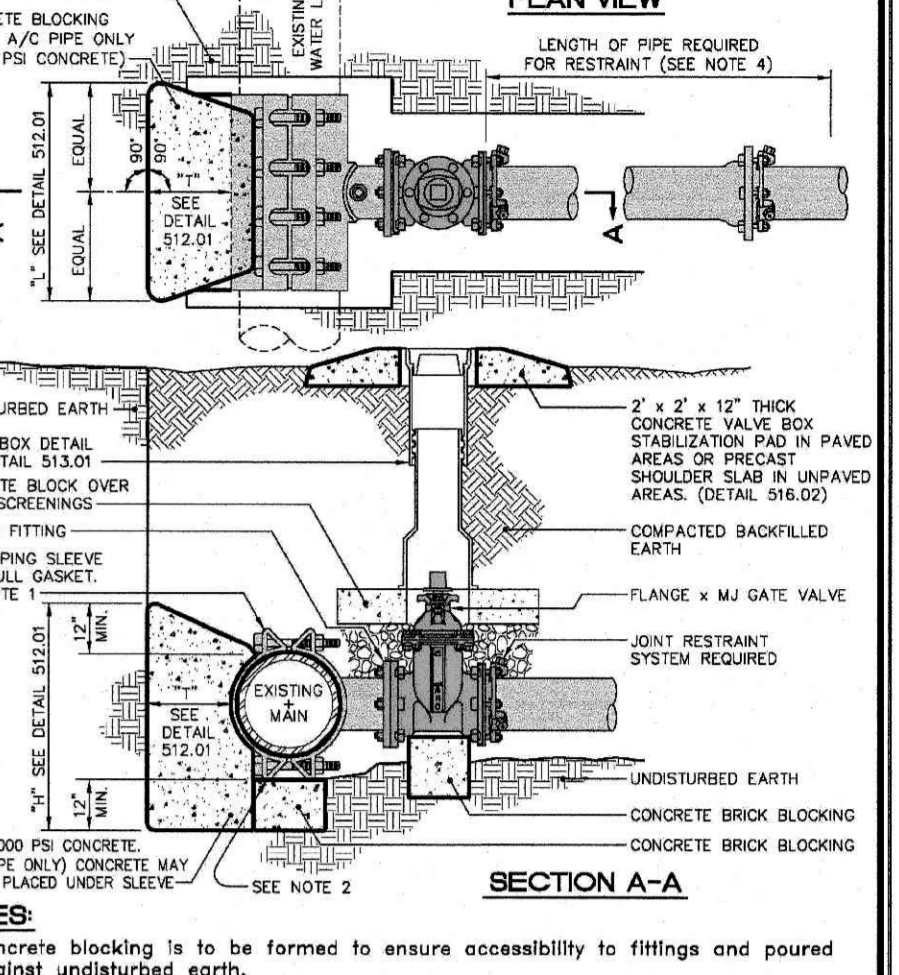
RESTRAINT LENGTH CHART (FOR FITTINGS)



VERTICAL OFFSET DETAIL

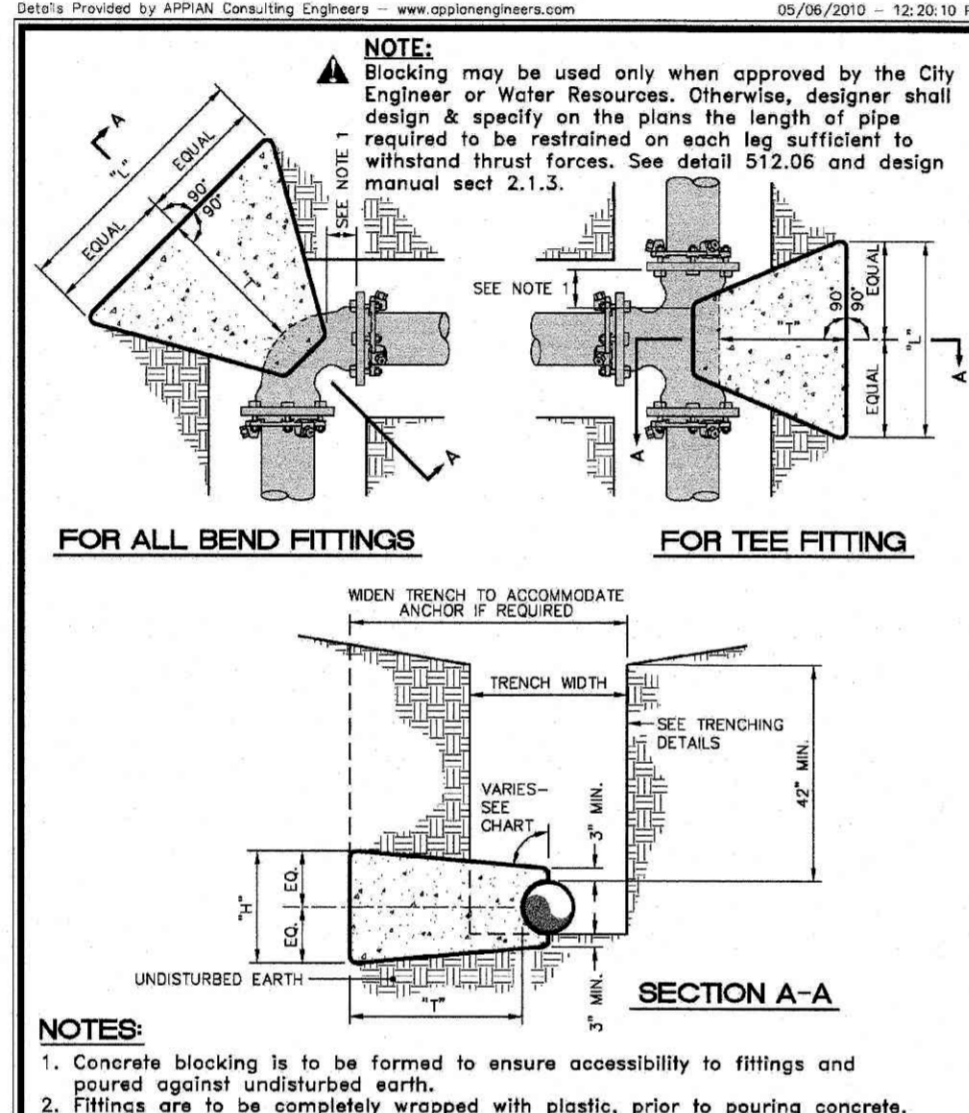


STANDARD SCREW VALVE BOX DETAIL



4\"/>

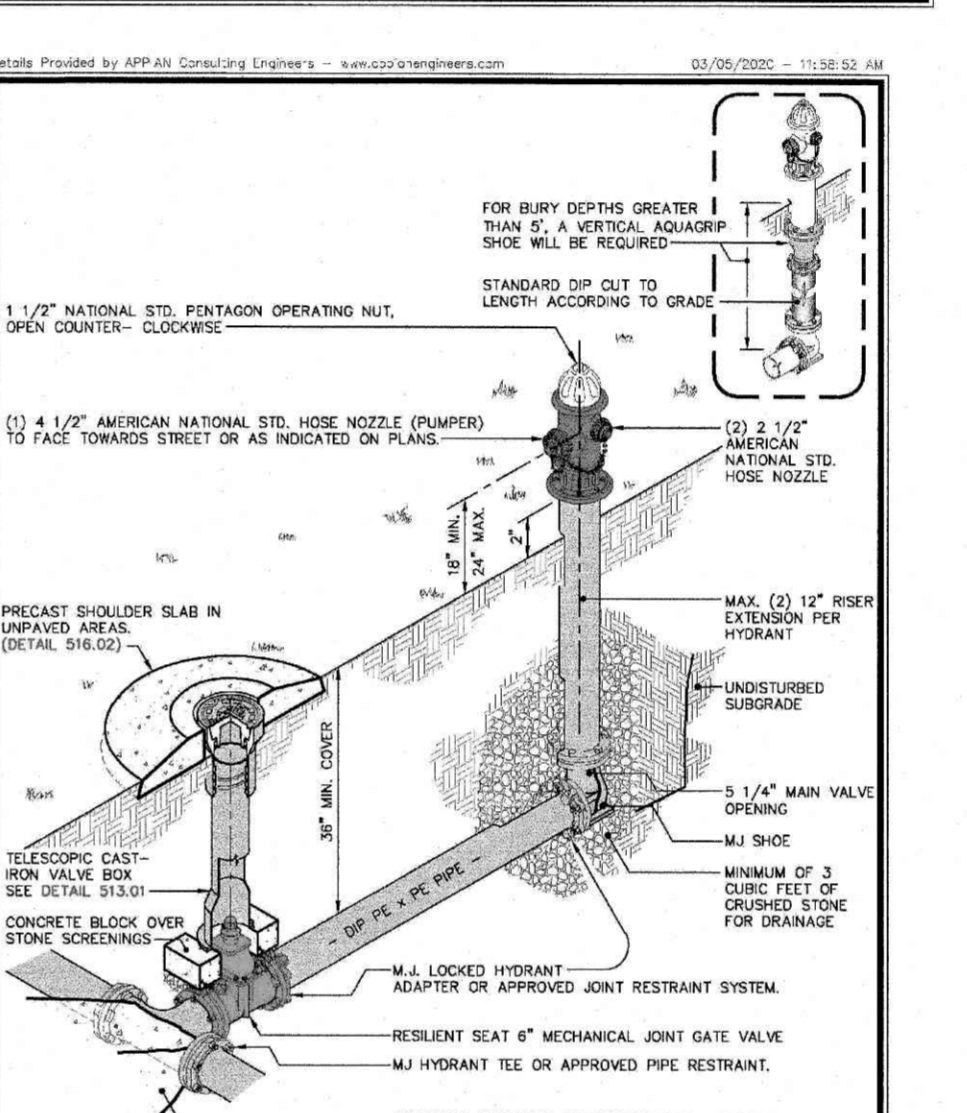
Table 10.7 - DESCRIPTION OF MATERIAL CLASSIFICATION (As Defined in ASTM D2232). Columns include Class, Type, Soil Symbol, Description, and Coefficients.



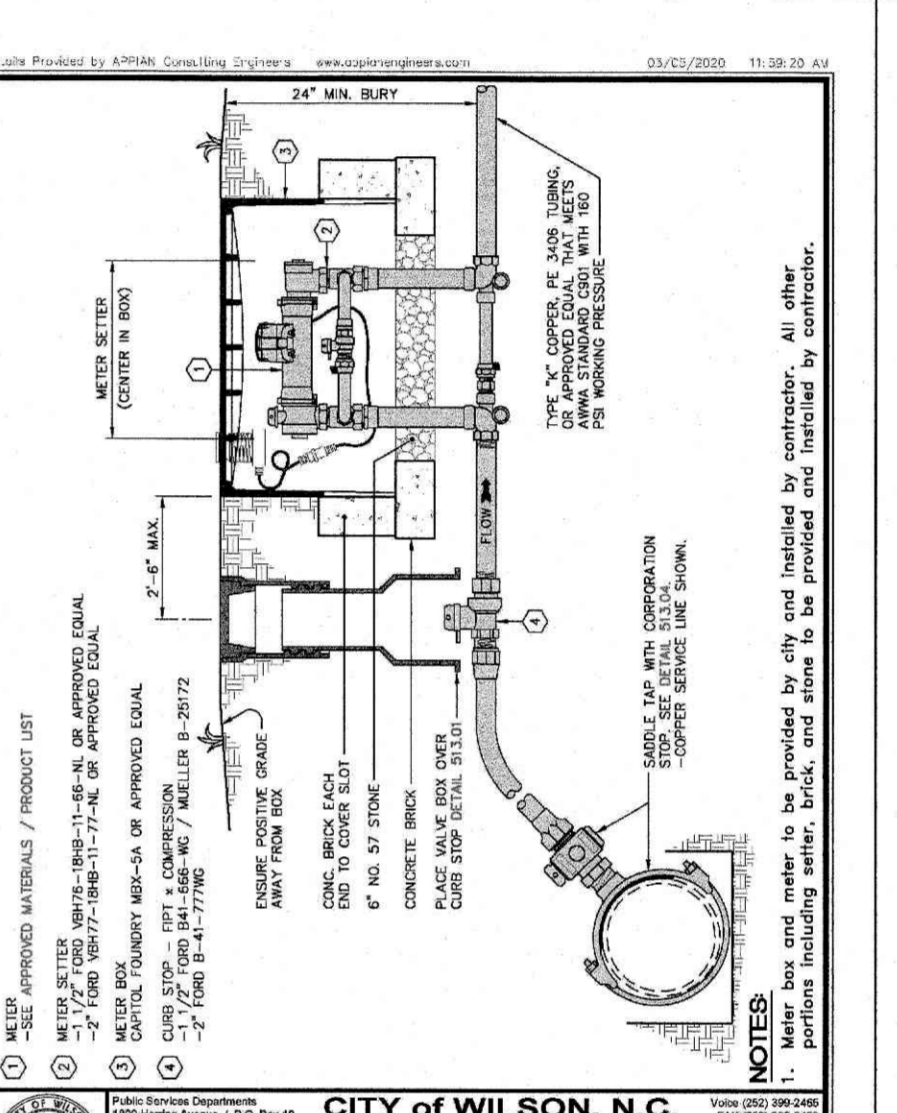
BLOCKING DETAIL FOR HORIZONTAL BENDS AND TEE

Table with columns for Type Fitting, Dimensions (L, H, T), and Volume (Concrete, CU, YD). Includes test pressure and chart notes.

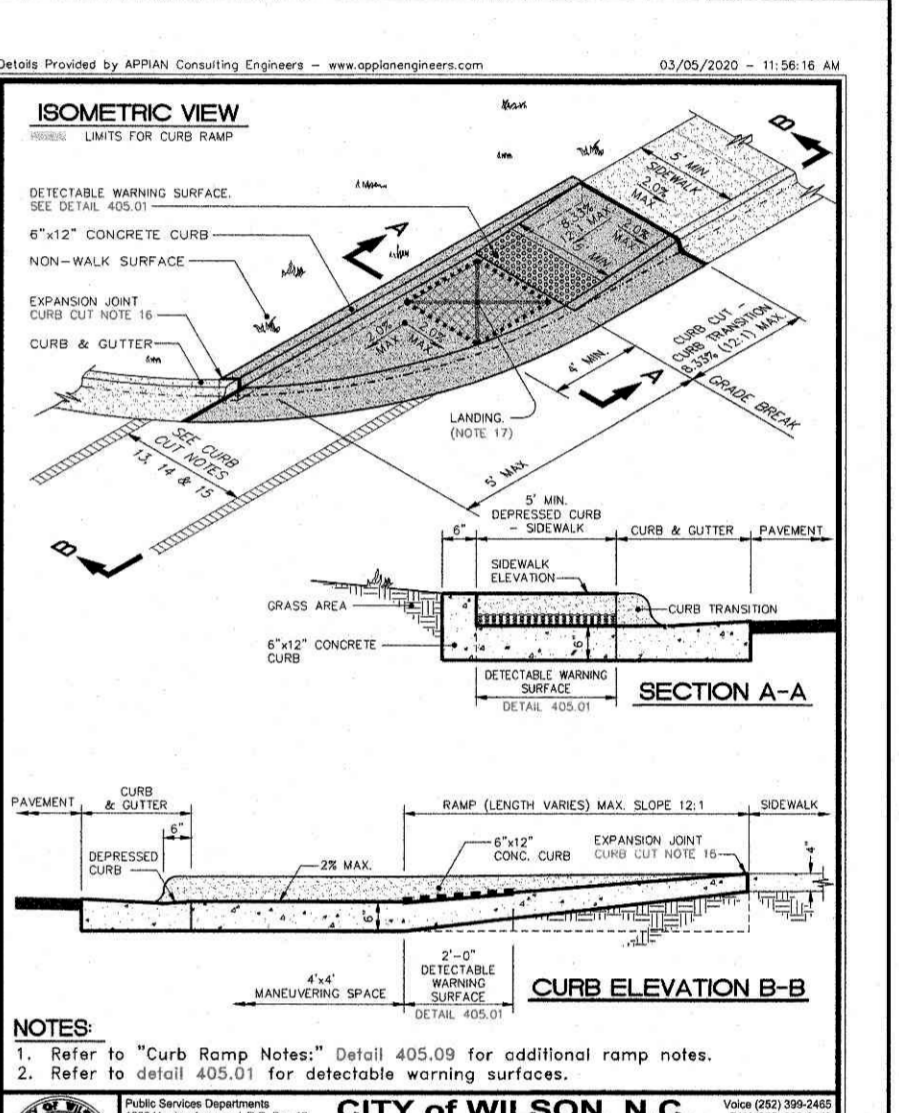
TEST PRESSURE = 150 P.S.I. CHART NOTES



STANDARD HYDRANT SETTING (NON-PAVED AREAS)

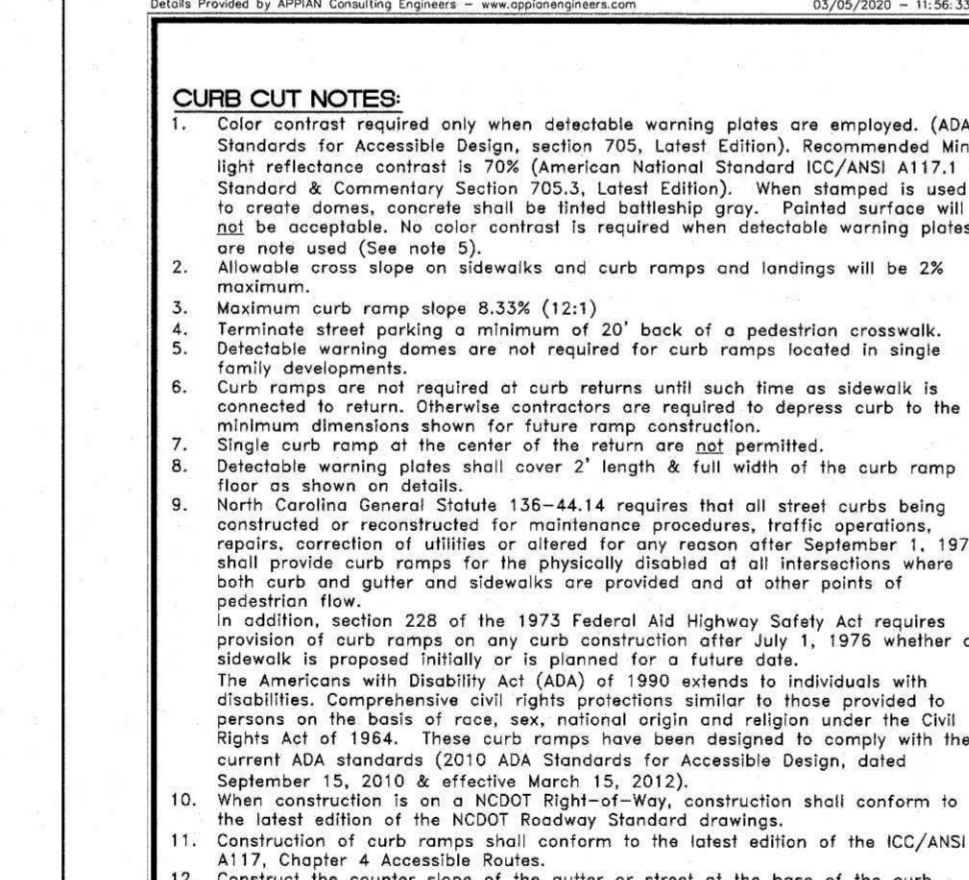


STANDARD 1 1/2\"/>

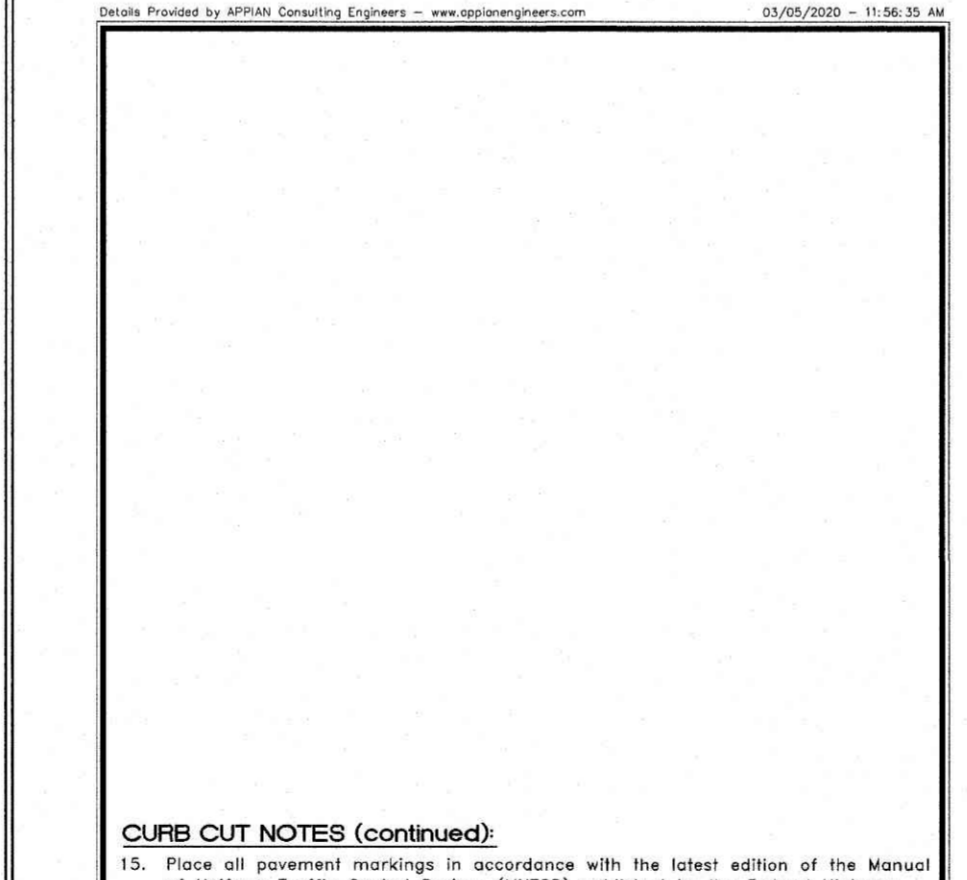


DIRECTIONAL CURB RAMP TYPE I

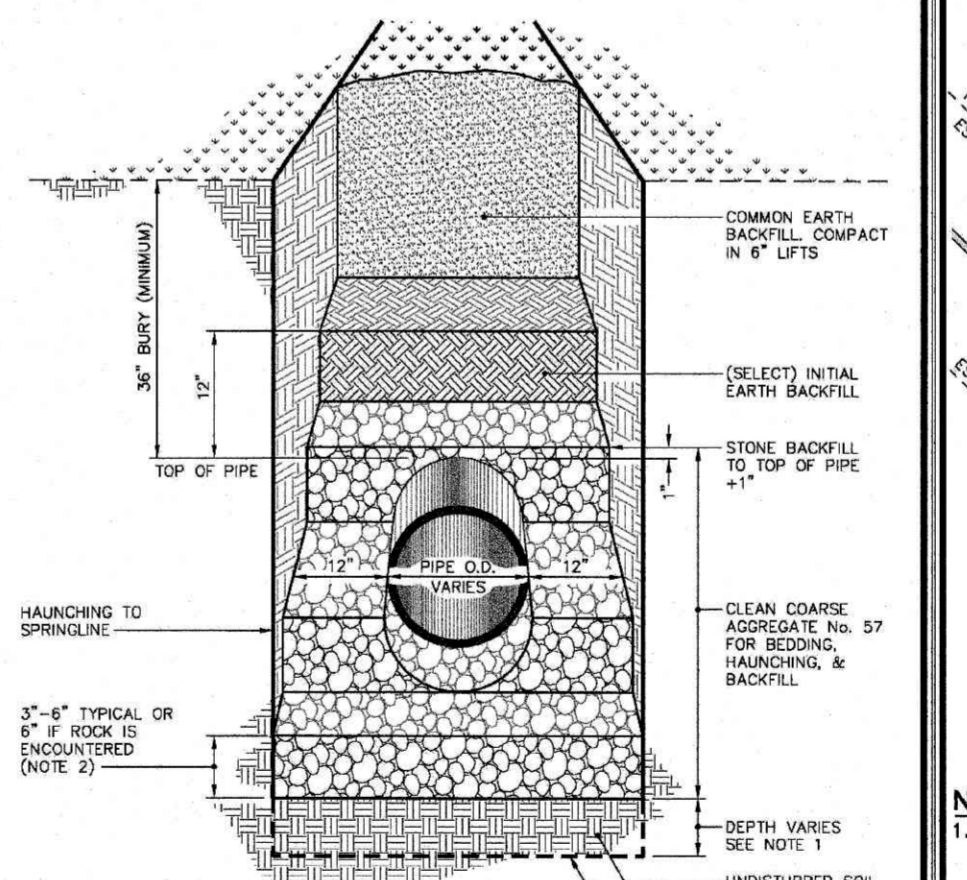
Table 10.8 - RECOMMENDATIONS FOR INSTALLATION AND USE OF SOILS AND AGGREGATES FOR FOUNDATION, EMBEDMENT AND BACKFILL. Columns include Class, Description, and Notes.



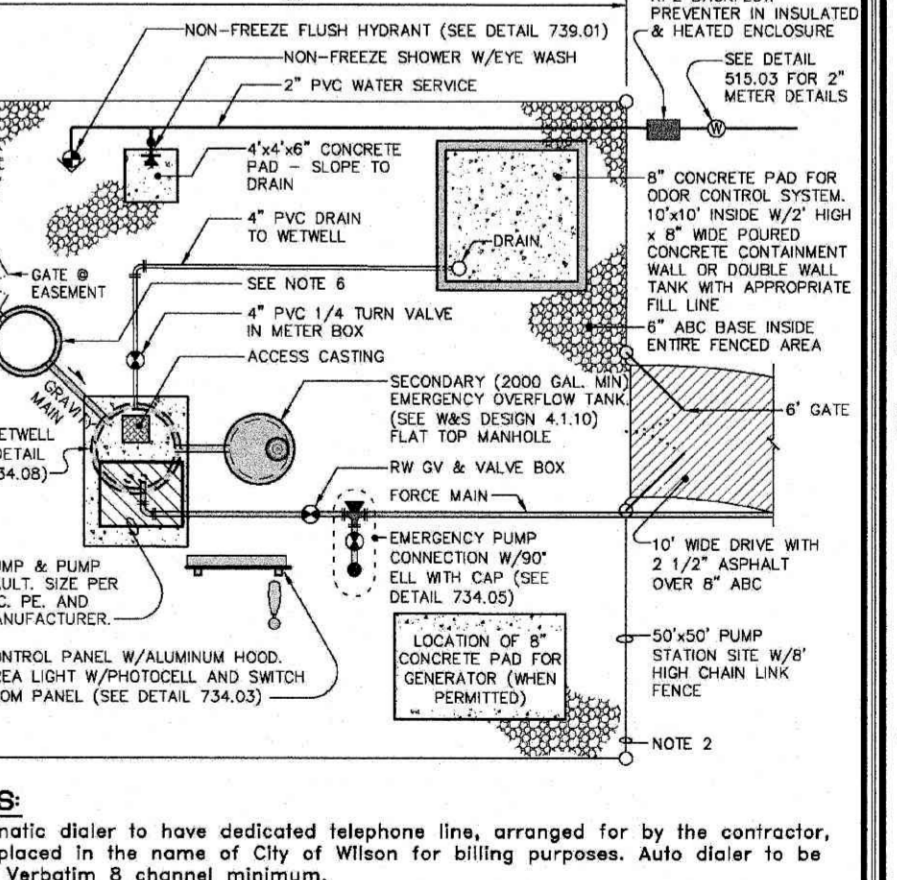
TYPICAL CURB RAMP NOTES



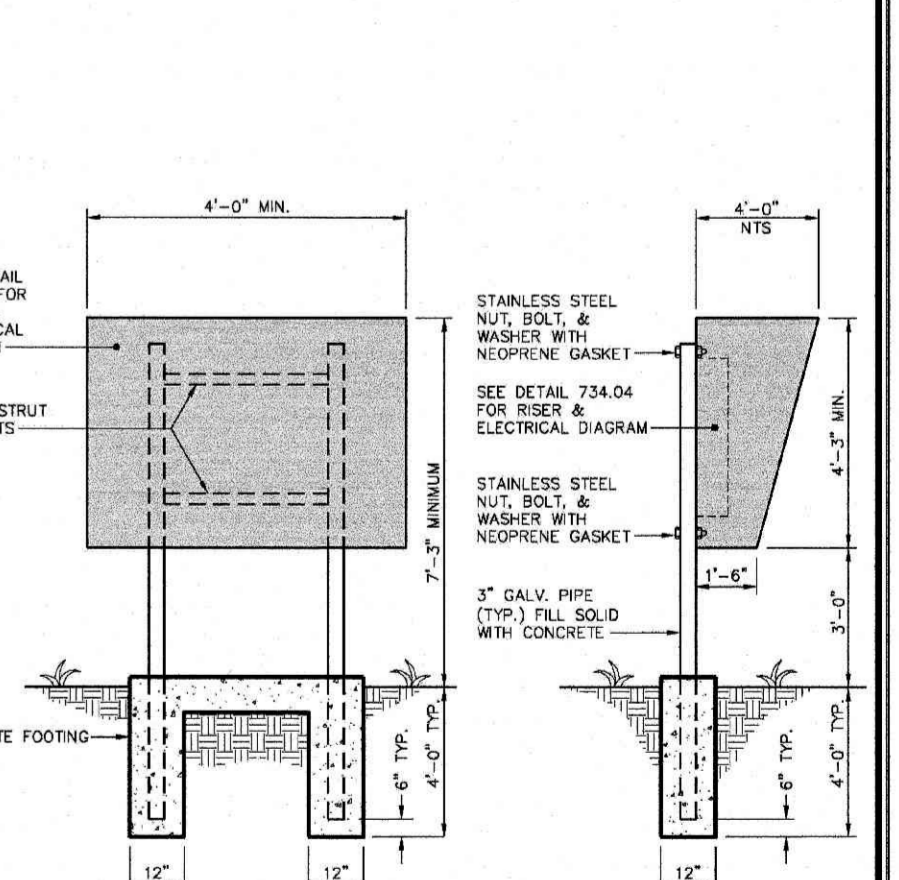
TYPICAL CURB RAMP NOTES



SANITARY SEWER LINE TRENCH (NON-TRAFFIC AREAS)



TYPICAL SUBMERSIBLE PUMP STATION SITE LAYOUT



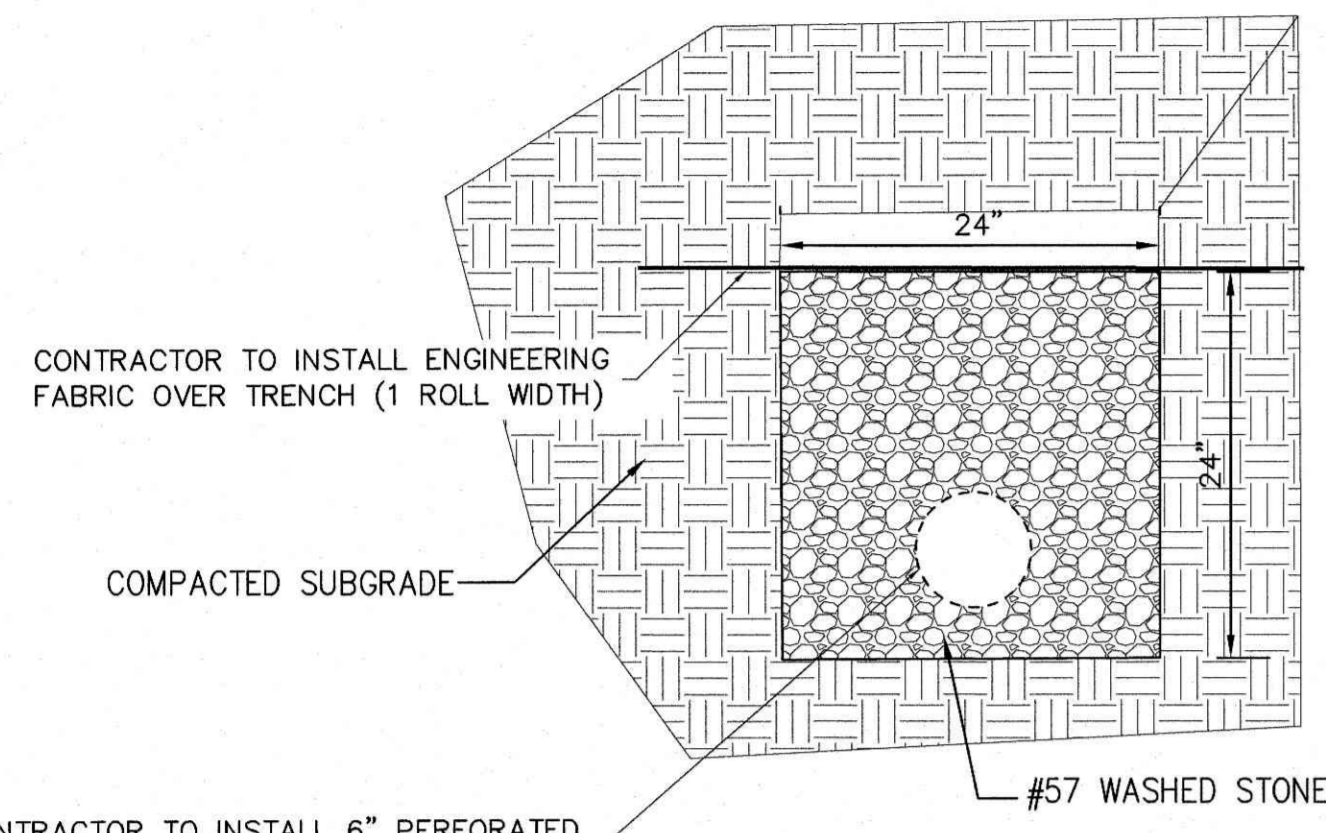
RAINHOOD DETAIL

GREEN ENGINEERING logo and contact information: WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT.

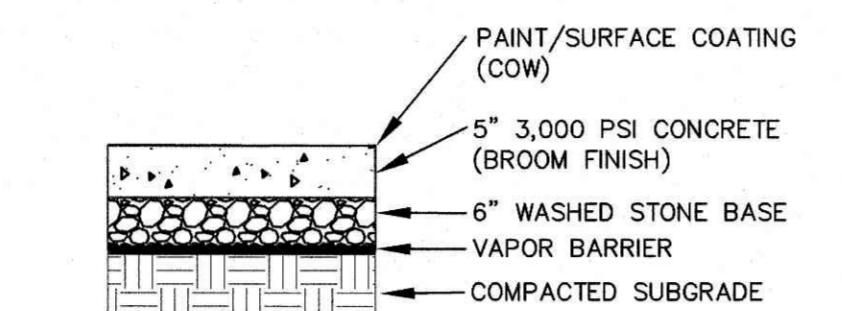
PICKLEBALL/TENNIS COURT FACILITY logo and contact information: J. BURT GILLETTE ATHLETIC COMPLEX, CITY OF WILSON.

DETAILS FOR PLAN REVIEW ONLY. Includes revision table, graphic scale, client code, and sheet number 12 of 17.

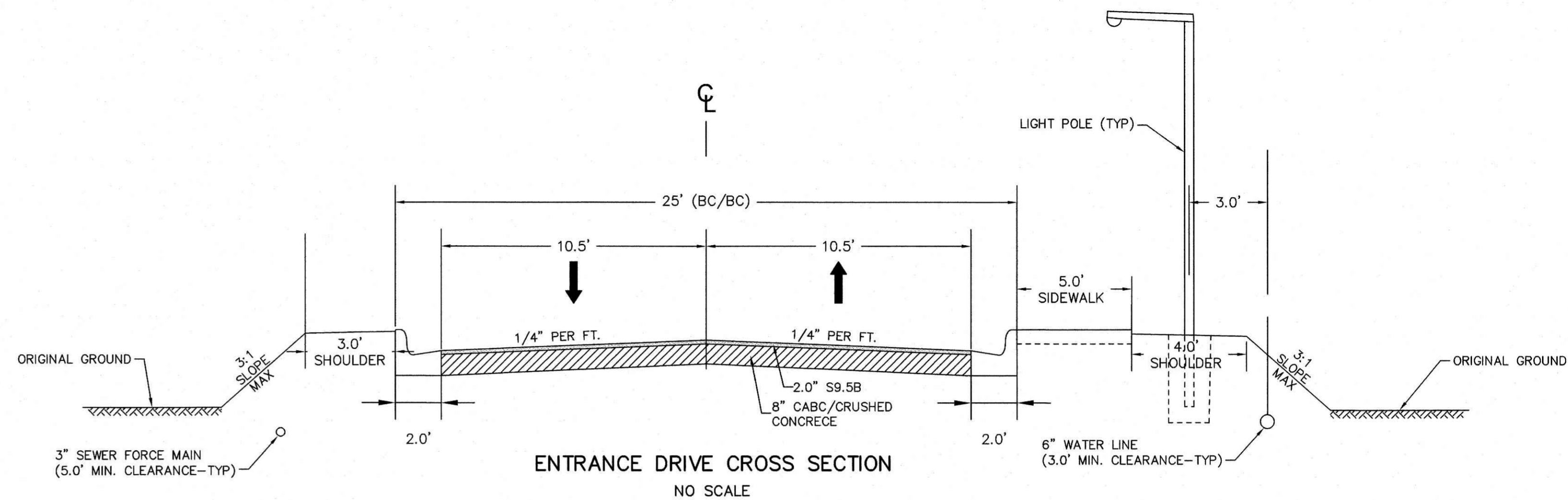




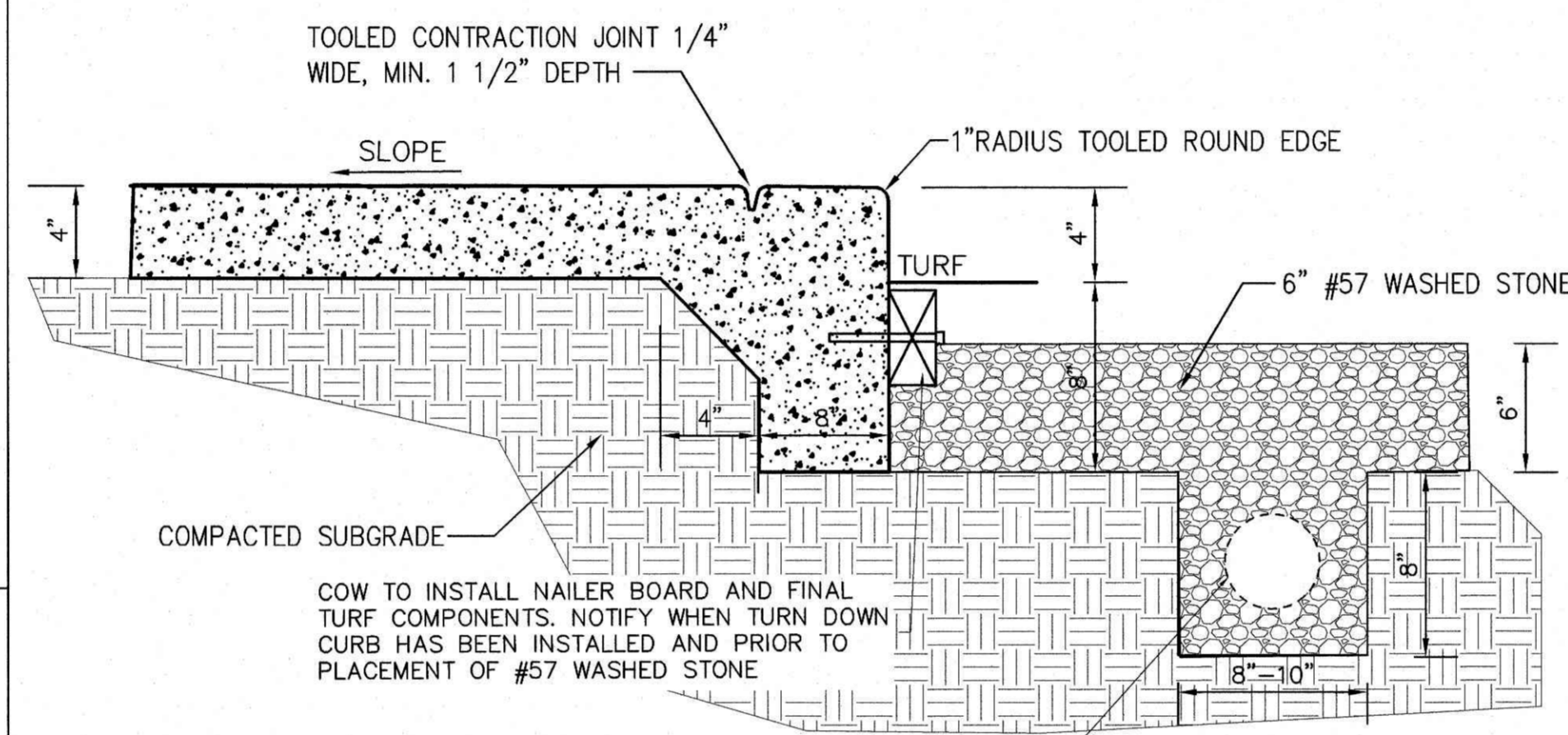
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NO SCALE



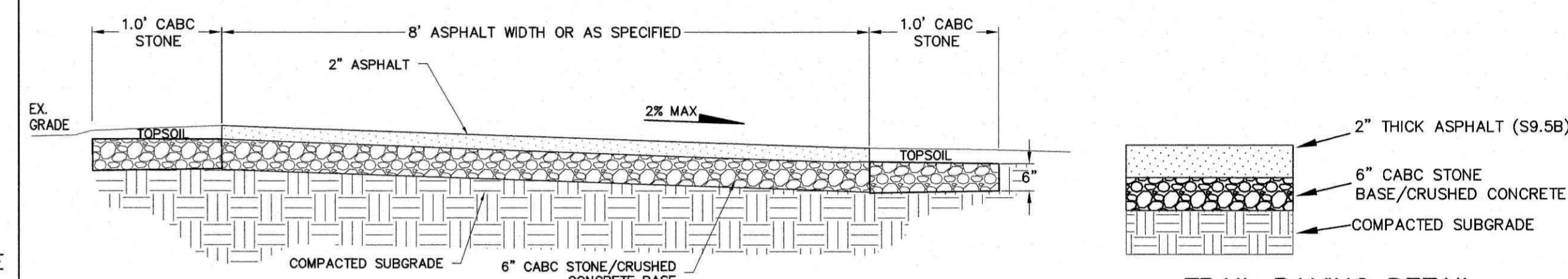
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NO SCALE



ENTRANCE DRIVE CROSS SECTION  
NO SCALE

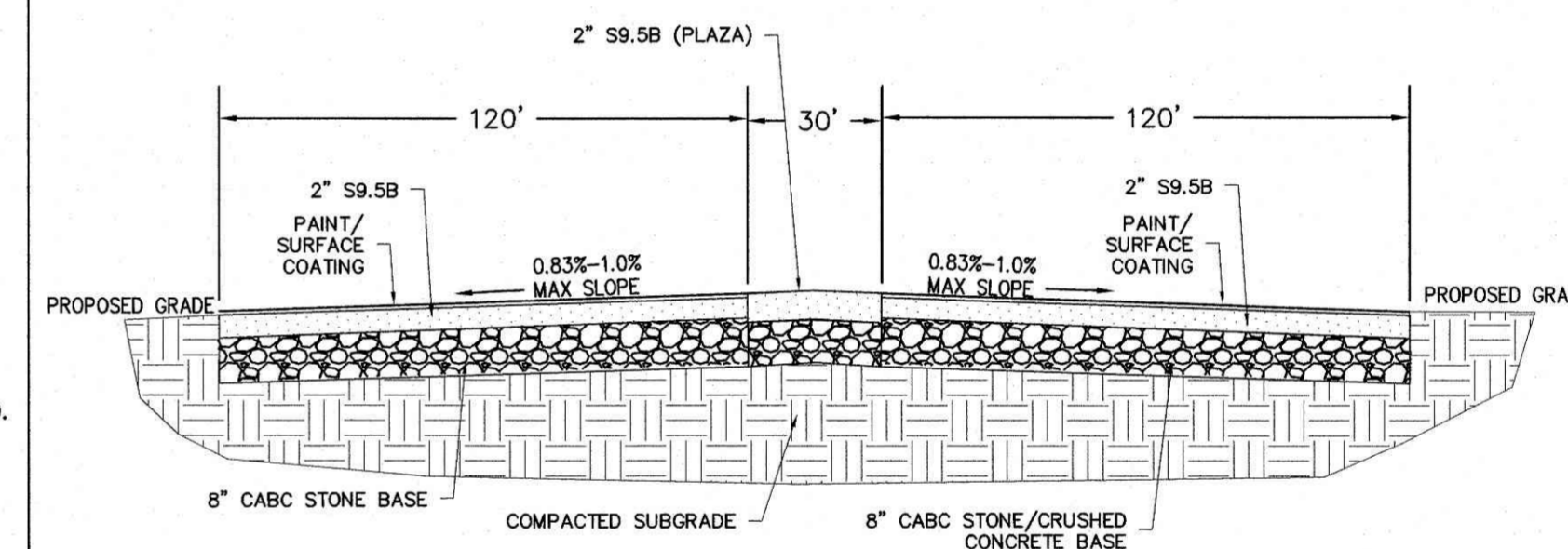


CROQUET AND BOCCÉ BALL AREA DETAIL  
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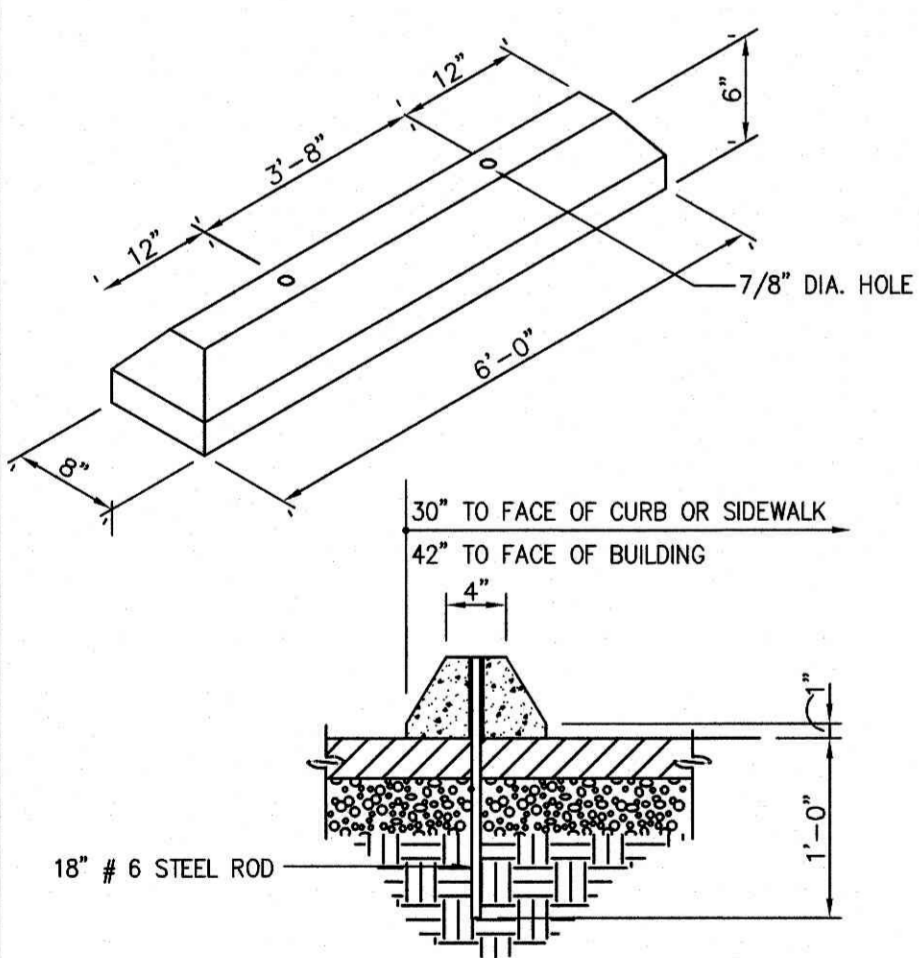
TRAIL DETAIL  
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TRAIL PAVING DETAIL  
NO SCALE

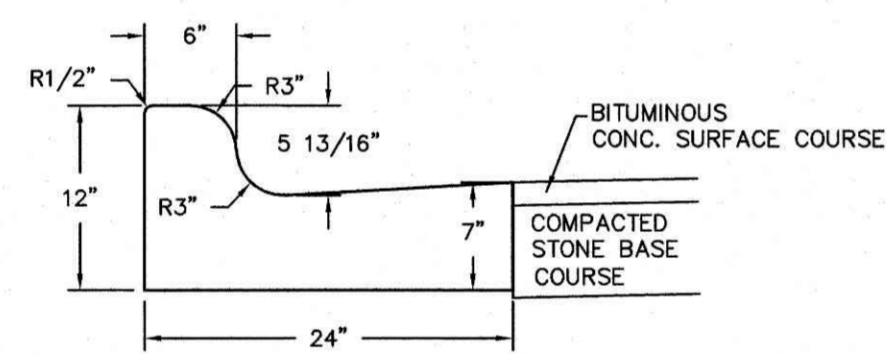


TENNIS COURT DETAIL  
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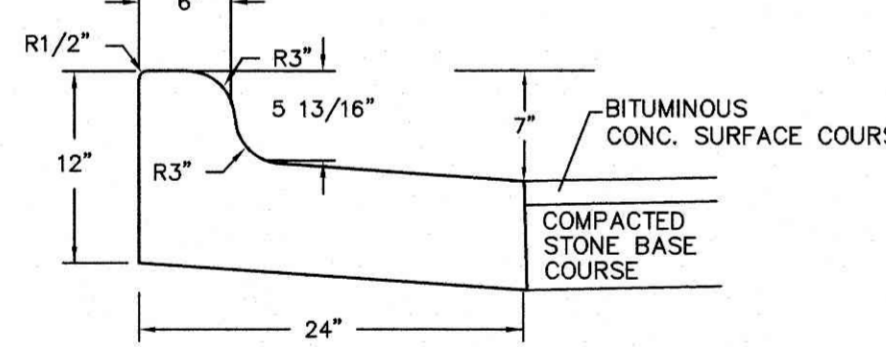
TENNIS COURT PAVING DETAIL  
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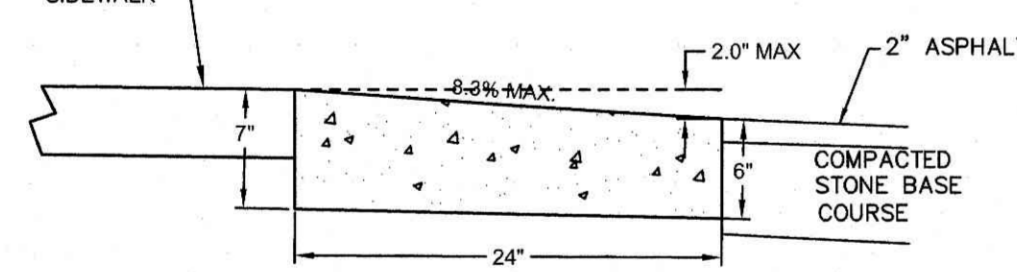
WHEEL STOP



CURB AND GUTTER  
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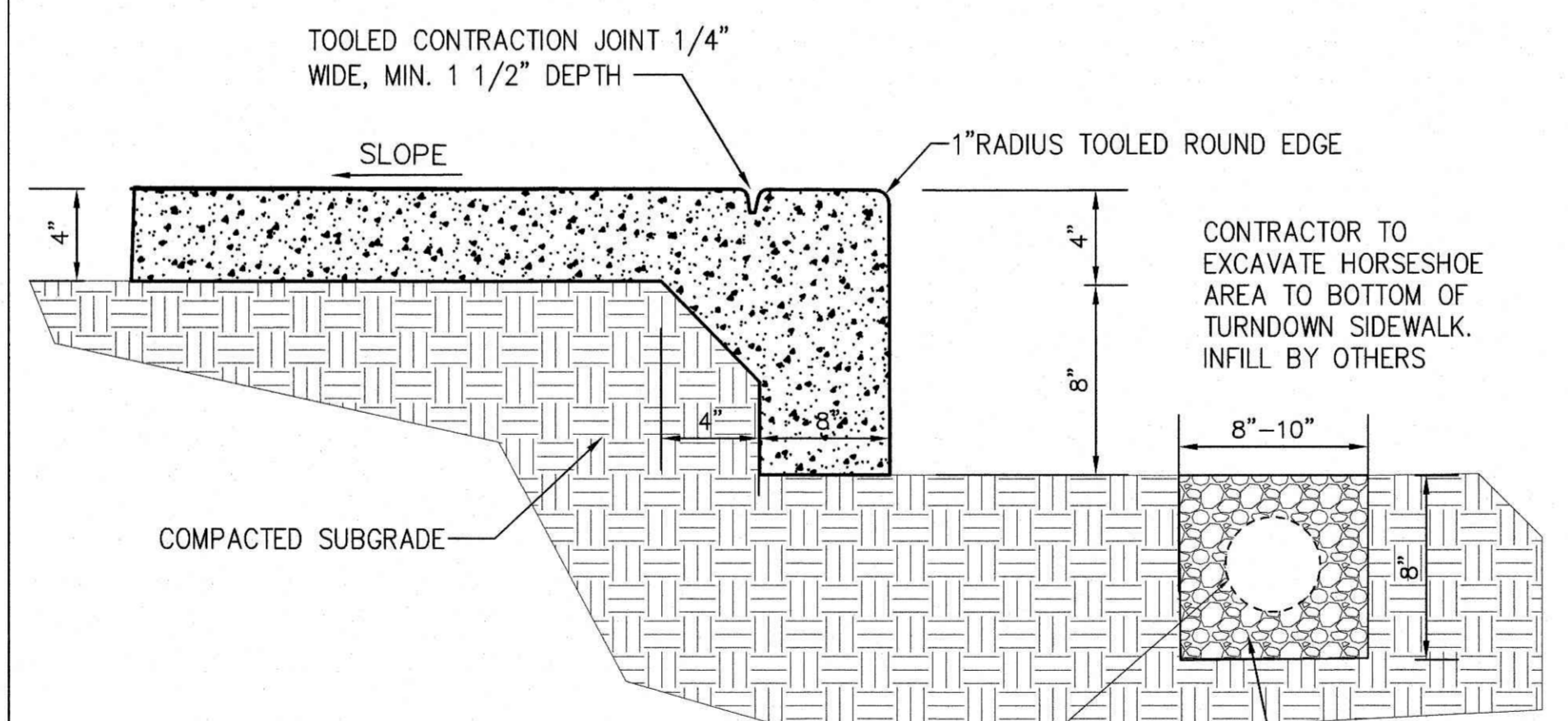
SPILL CURB & GUTTER  
NO SCALE



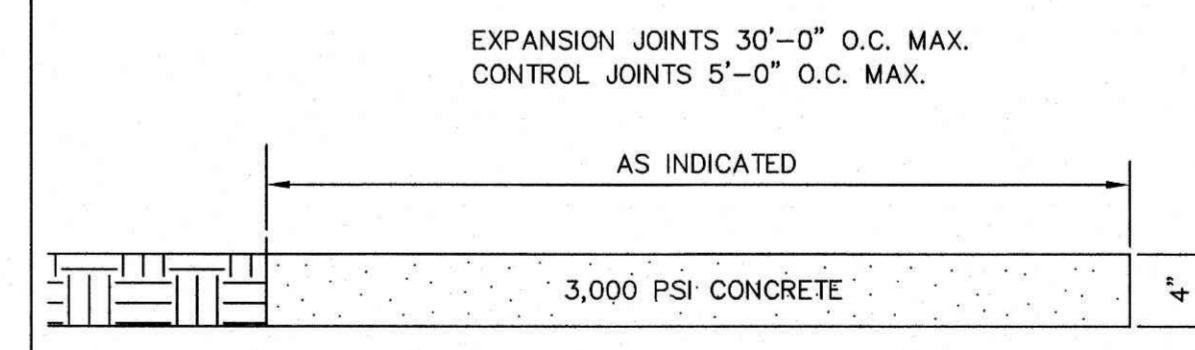
24" ADA SPILL CURB  
(ADA ACCESSIBLE PARKING AND DROP OFF AREA)  
NO SCALE

1. ALL CURB & GUTTERS ARE TO BE POURED WITH 3,500 PSI CONCRETE.
2. FLEXIBLE FORMS ARE TO BE USED WHEN RADII IS LESS THAN 200'.
3. CONTRACTION JOINTS SHALL BE SPACES AT 10' INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.
4. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
5. ALL CONTRACTION JOINTS SHALL BE FILLED WITH JOINT FILLER.
6. EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS ADJACENT TO ALL RIGID OBJECTS.

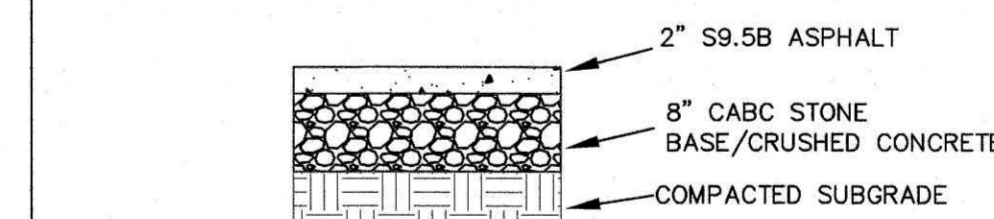
CURB & GUTTER DETAILS



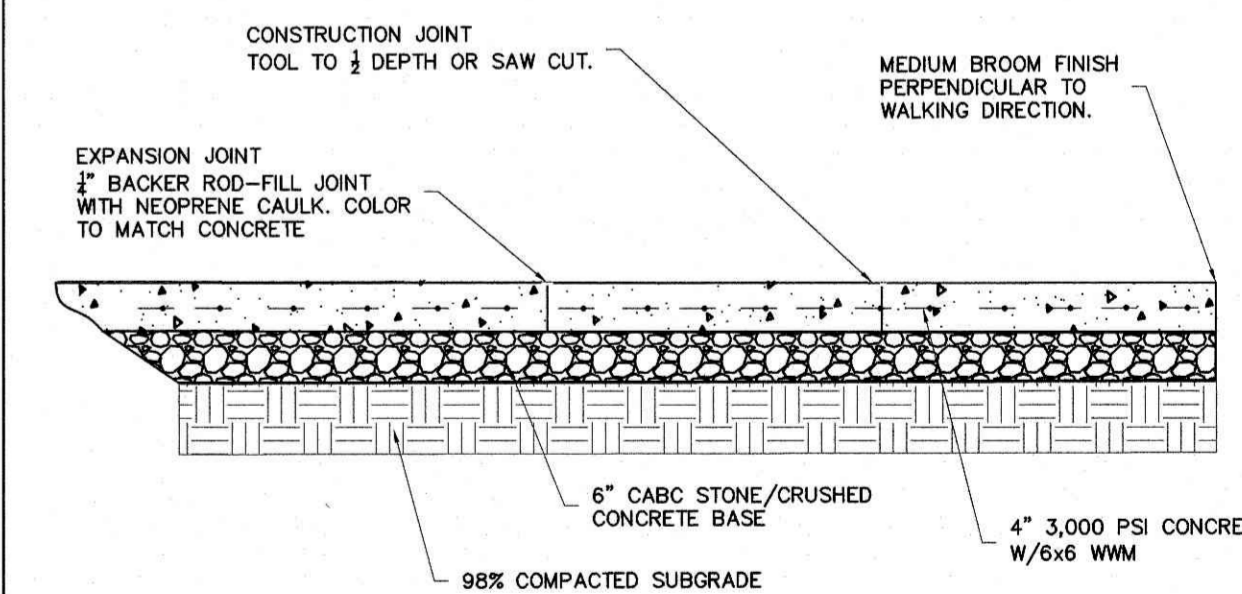
HORSESHOE AREA DETAIL  
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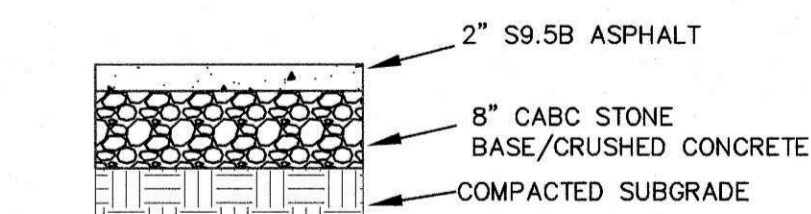
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(ENTRANCE DRIVE AND PARKING LOT)  
NO SCALE



PARKING LOT PAVING DETAIL  
NO SCALE



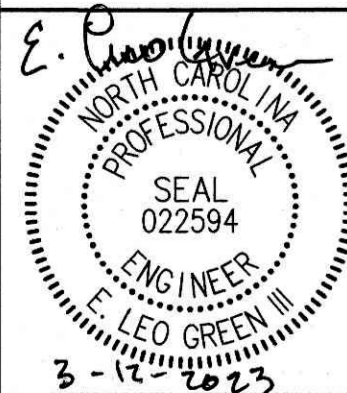
CONCRETE PLAZA AREA (TYPE "B") DETAIL  
NO SCALE



ENTRANCE DRIVE PAVING DETAIL  
NO SCALE

FOR PLAN REVIEW ONLY

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**GREEN ENGINEERING**  
WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT

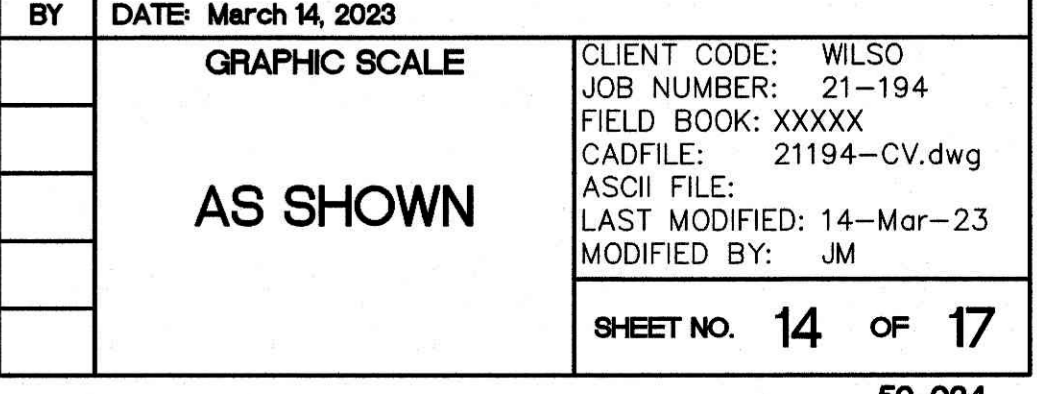
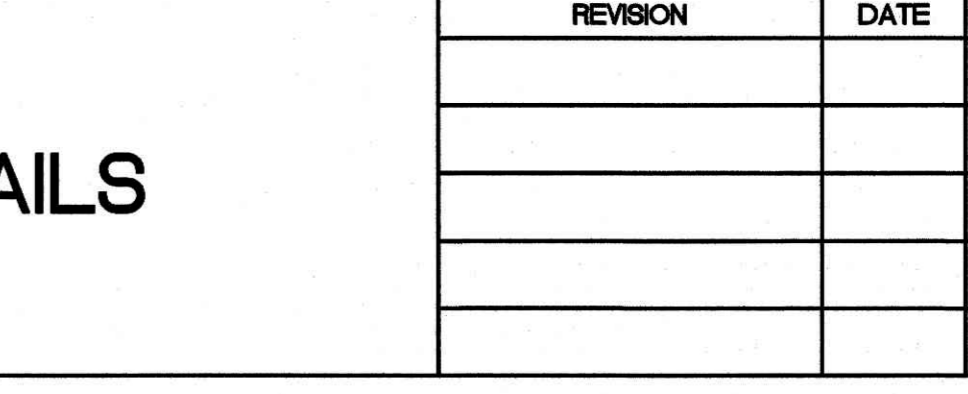
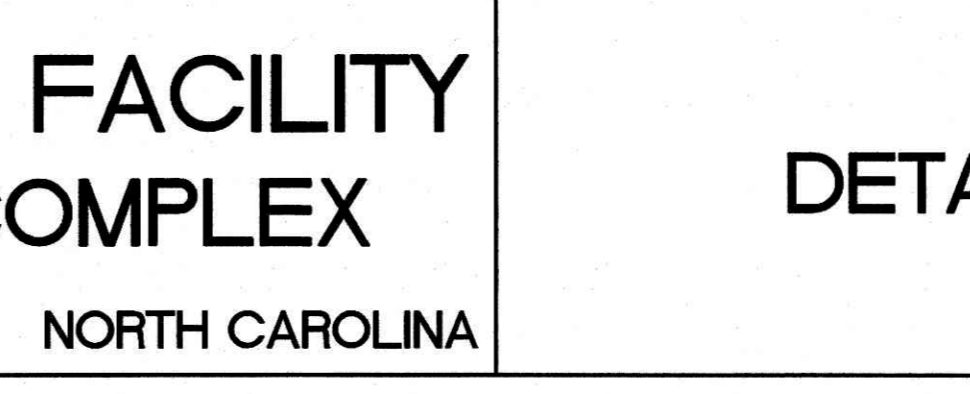
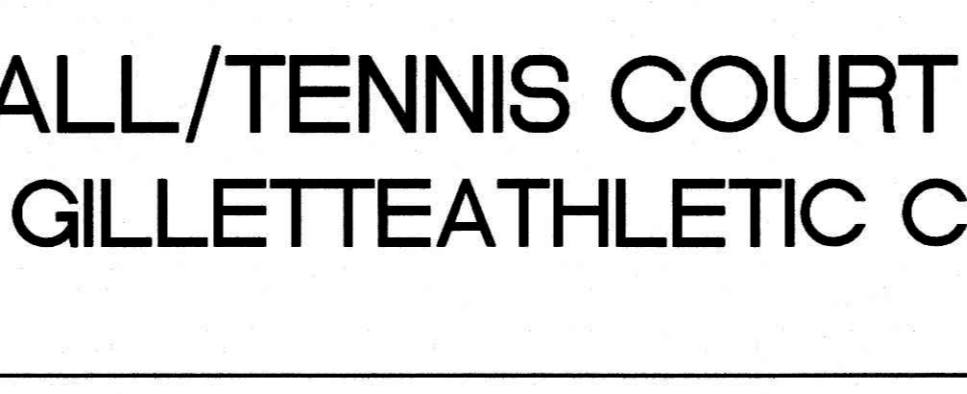
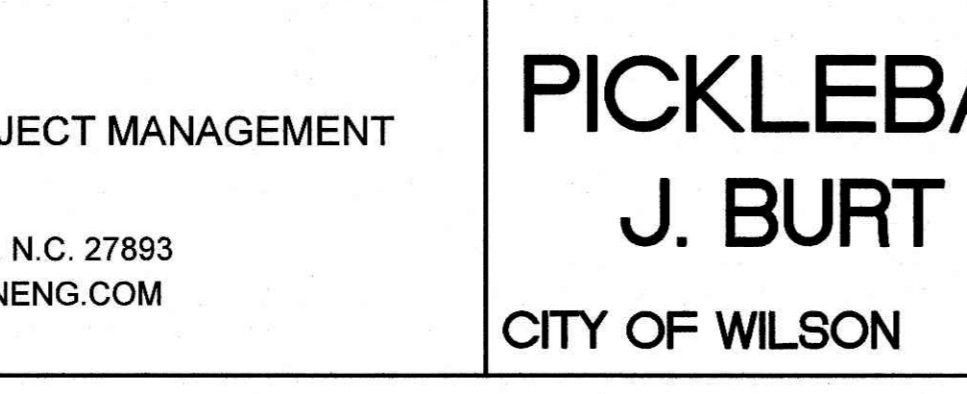
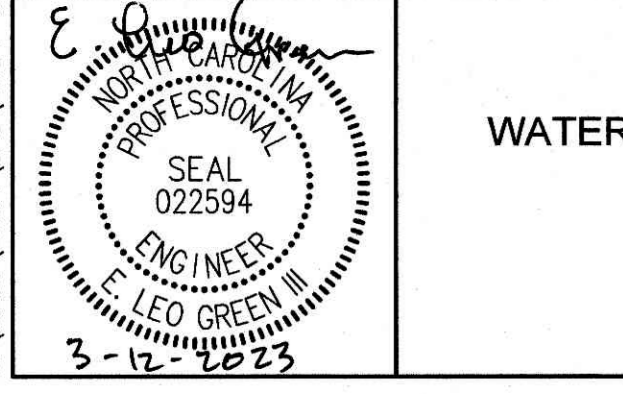
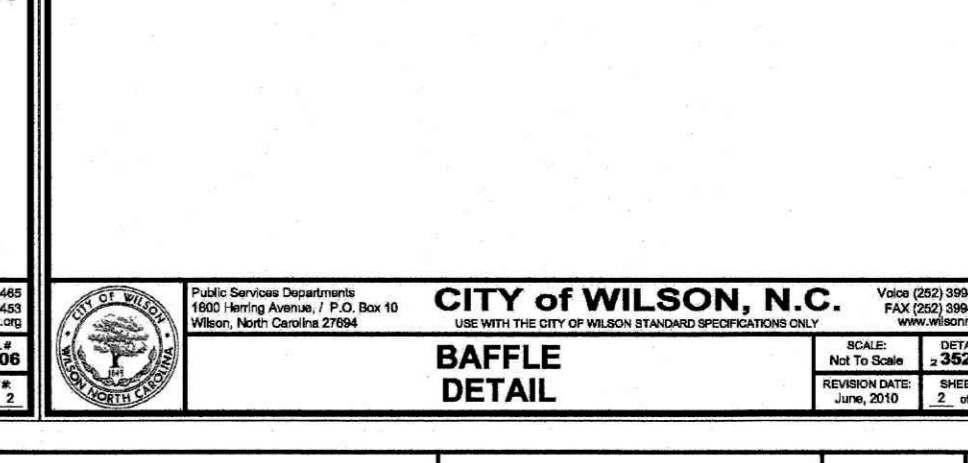
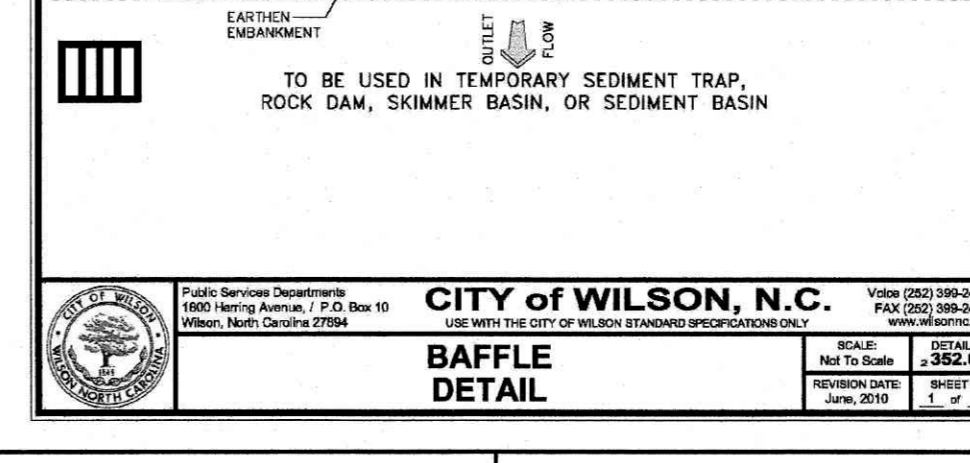
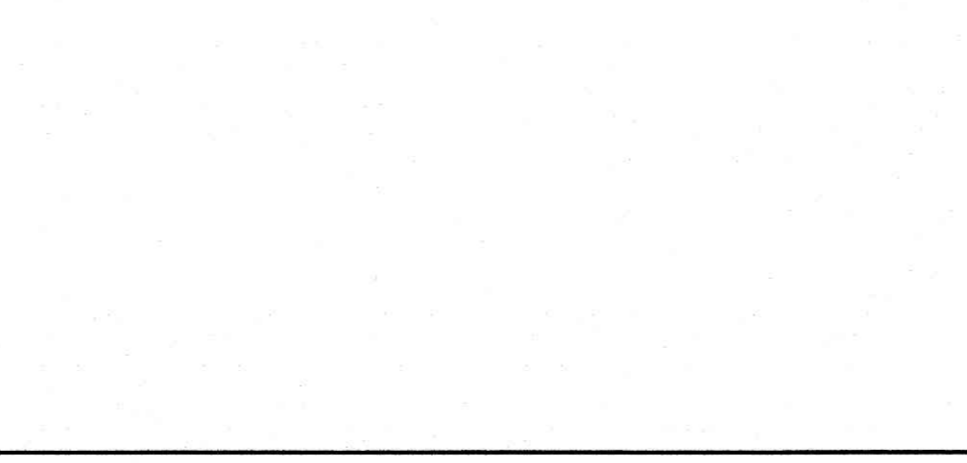
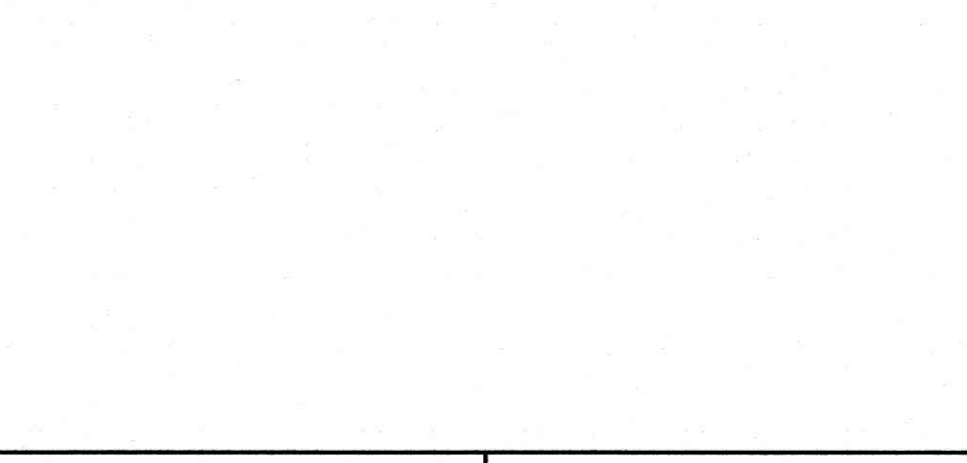
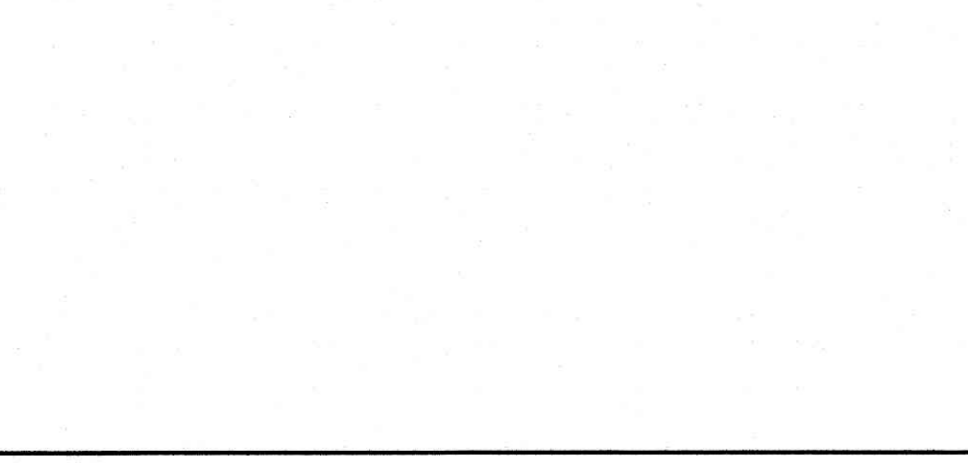
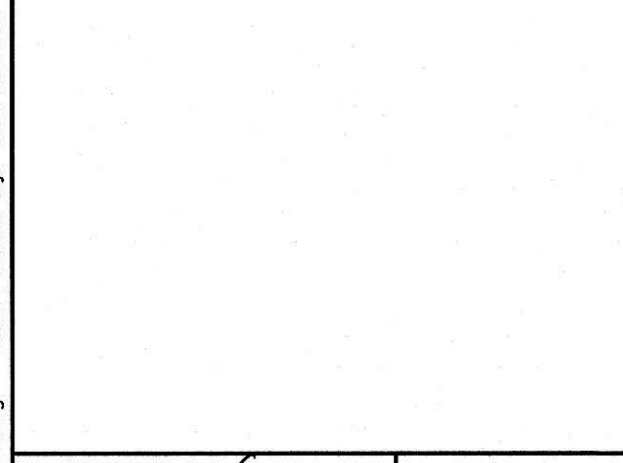
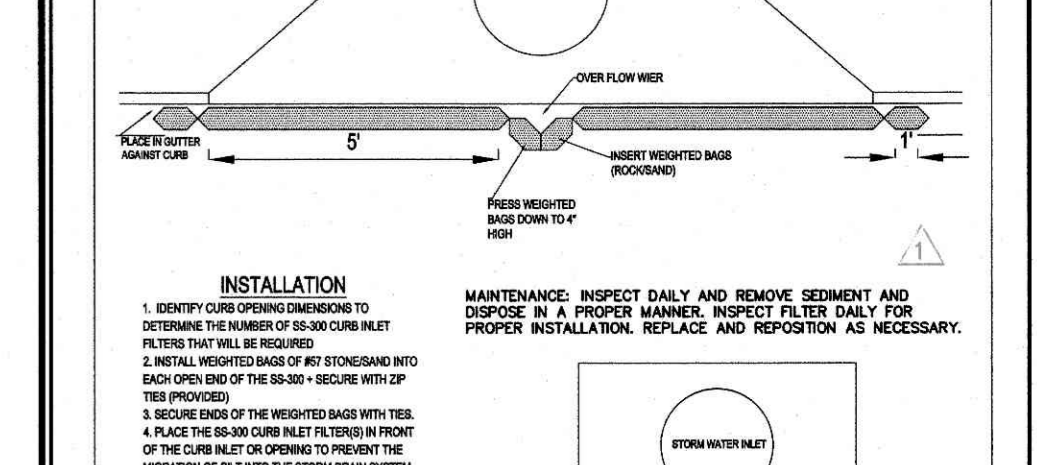
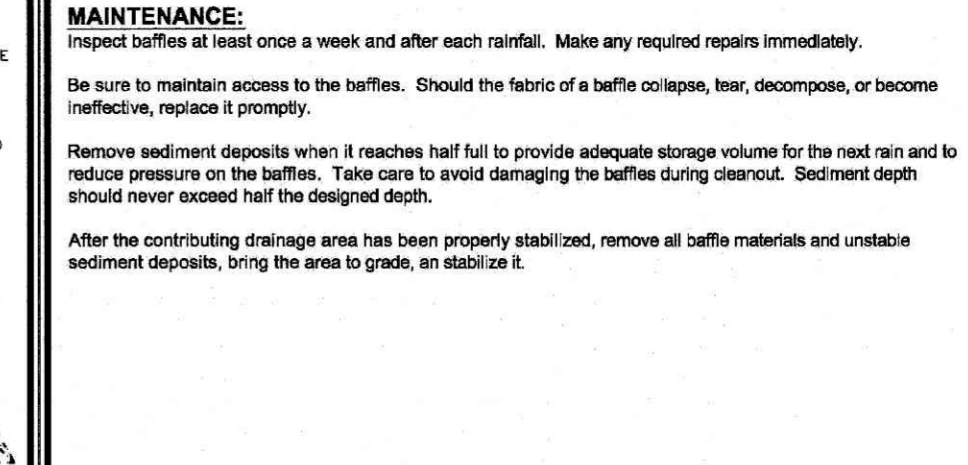
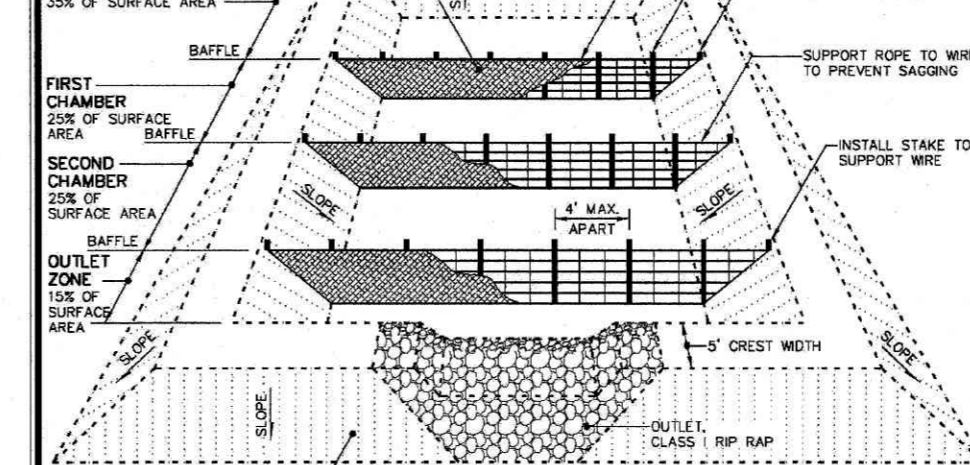
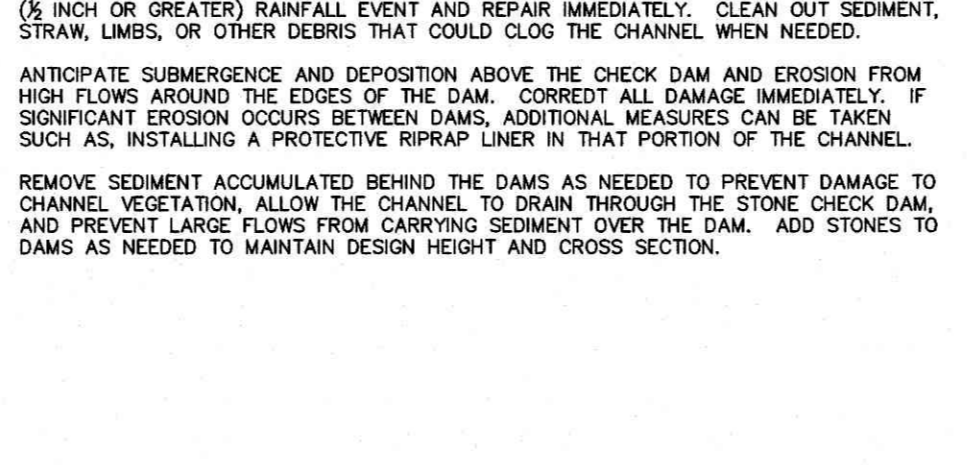
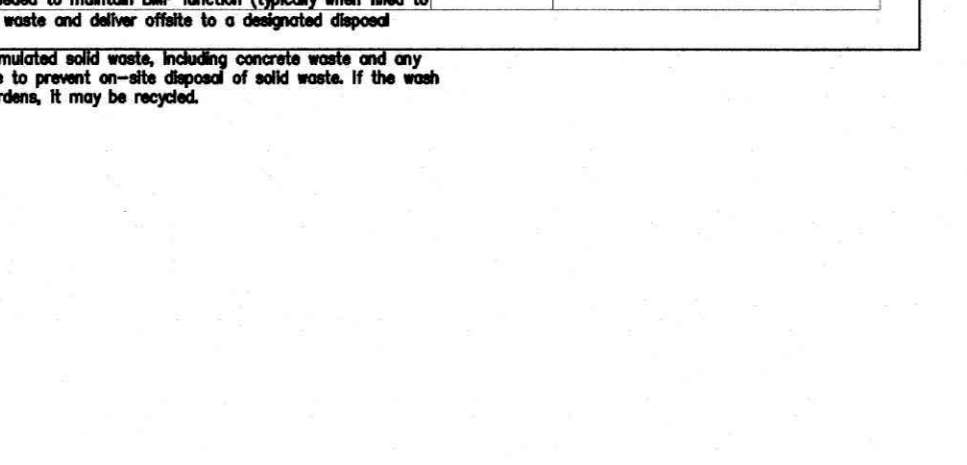
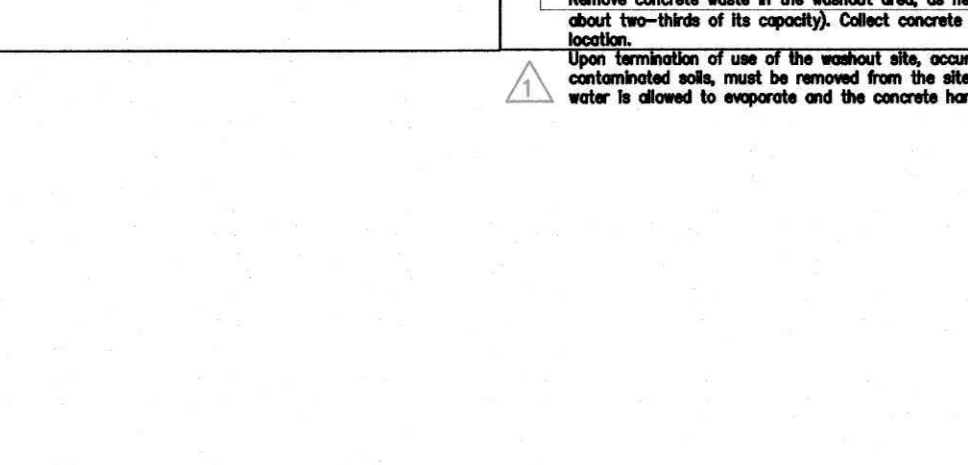
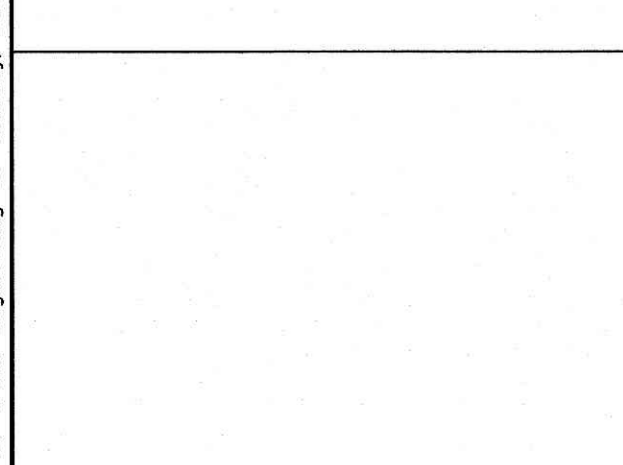
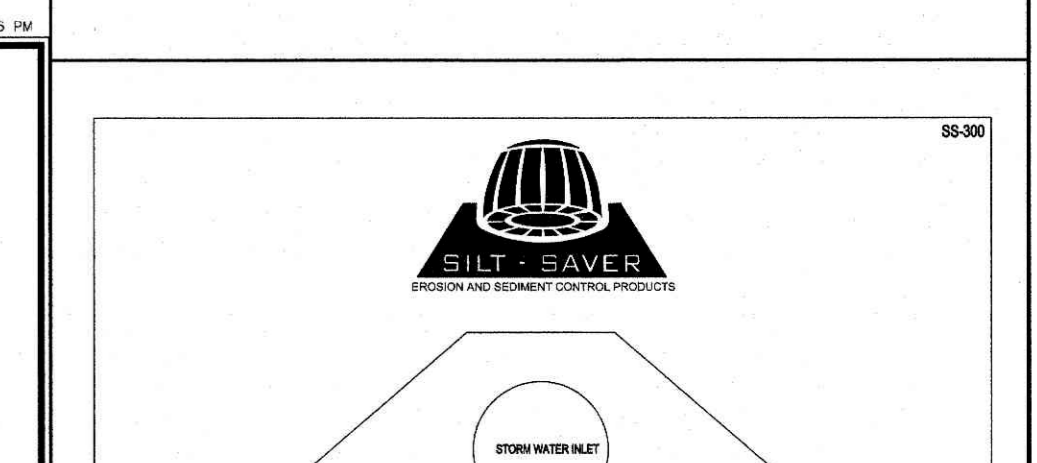
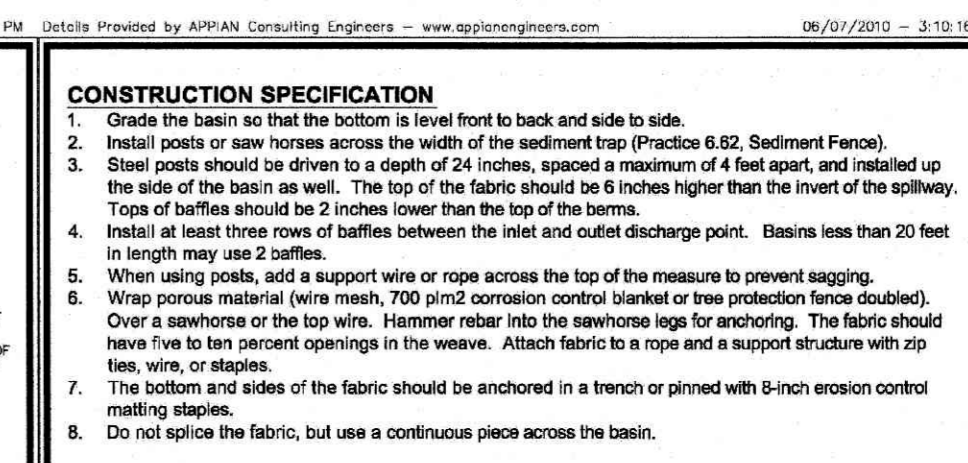
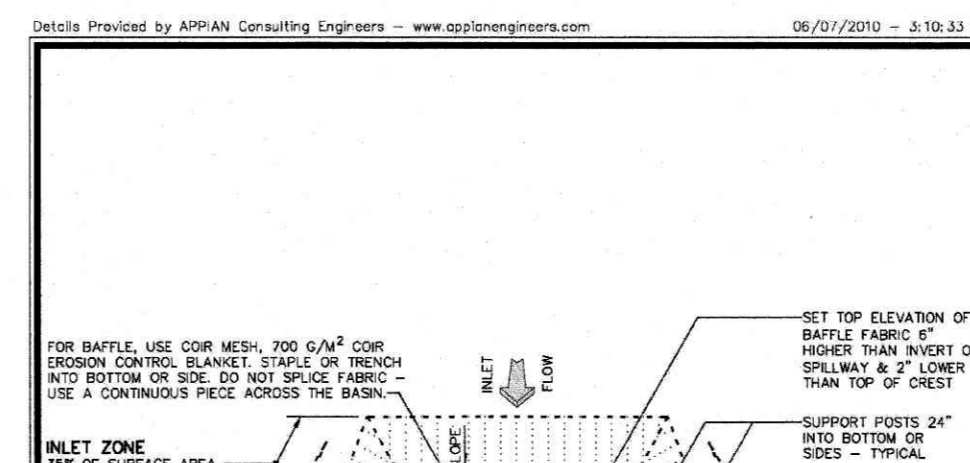
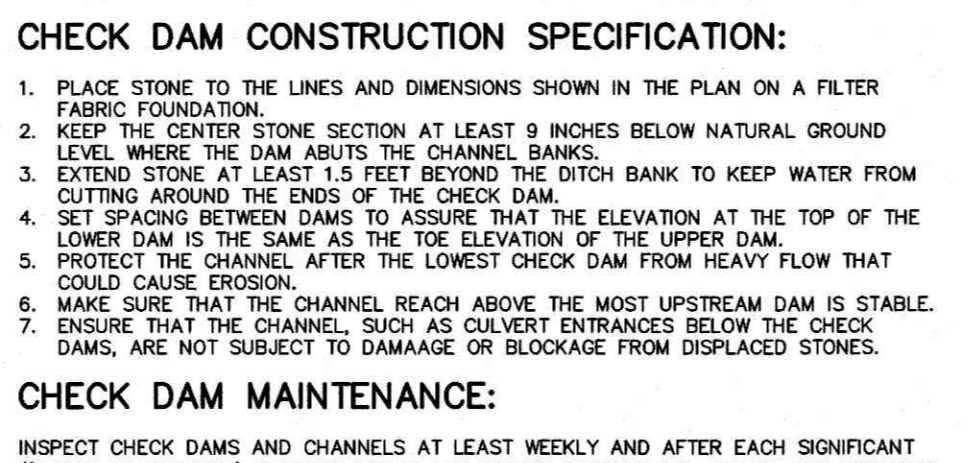
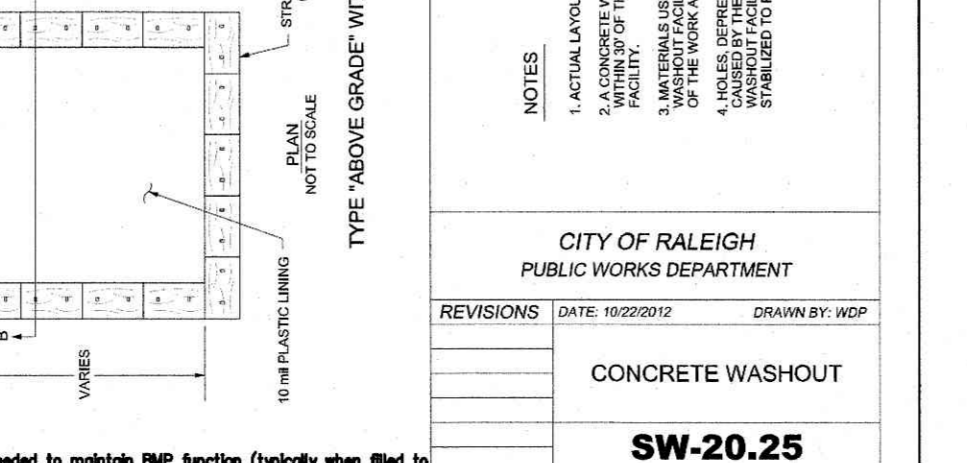
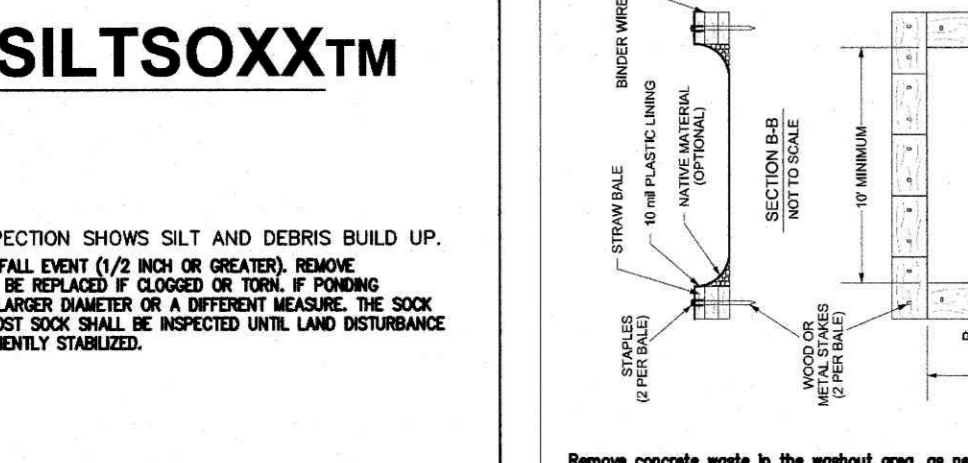
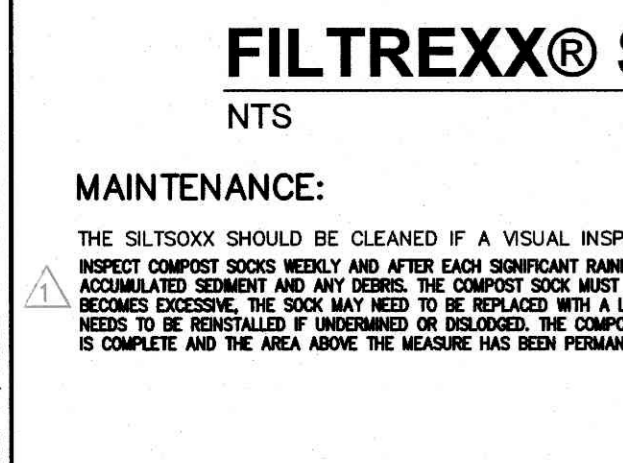
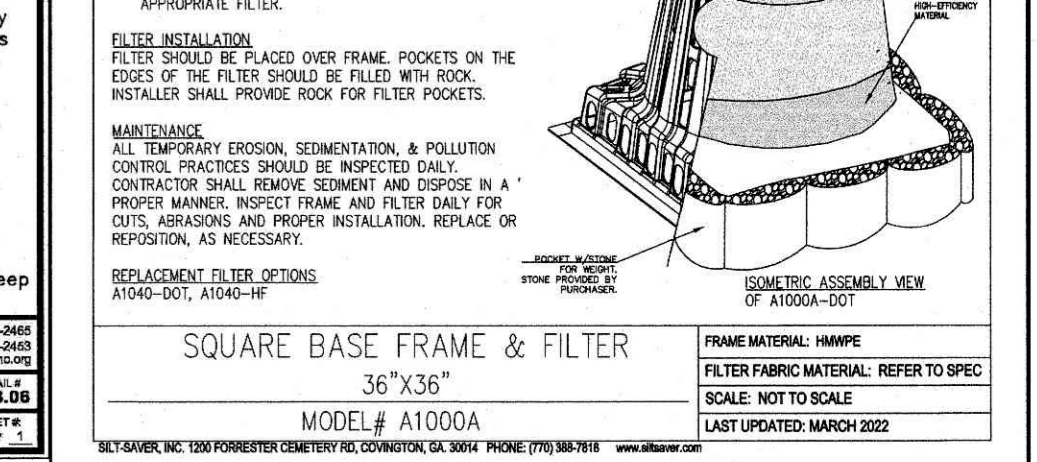
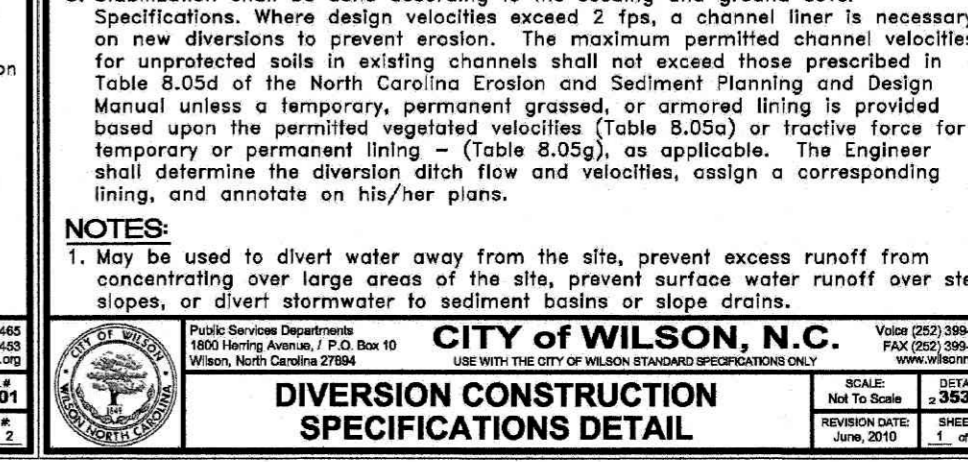
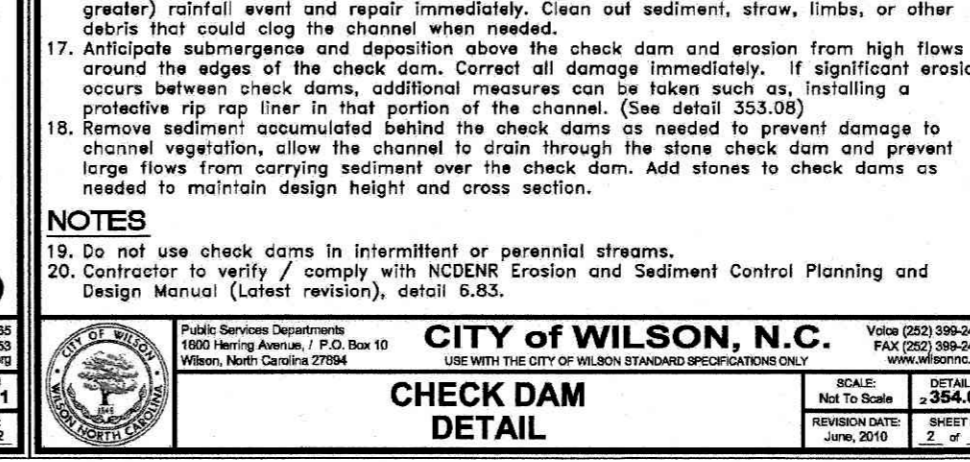
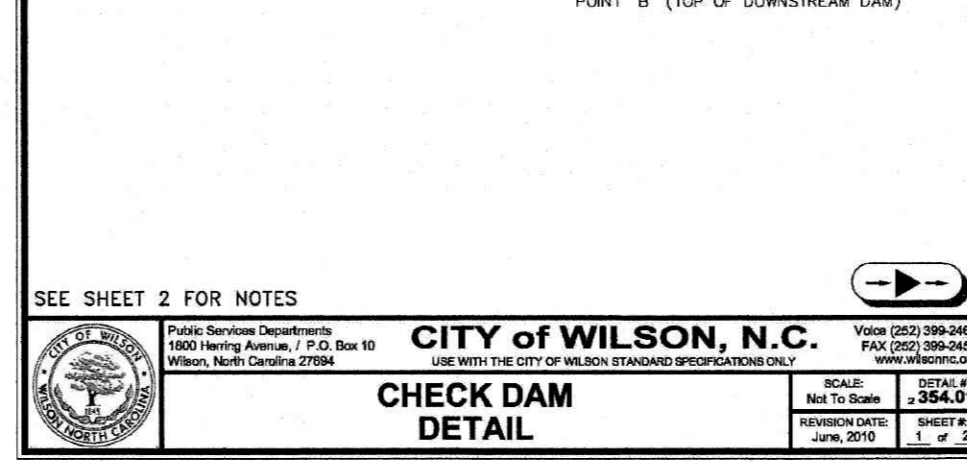
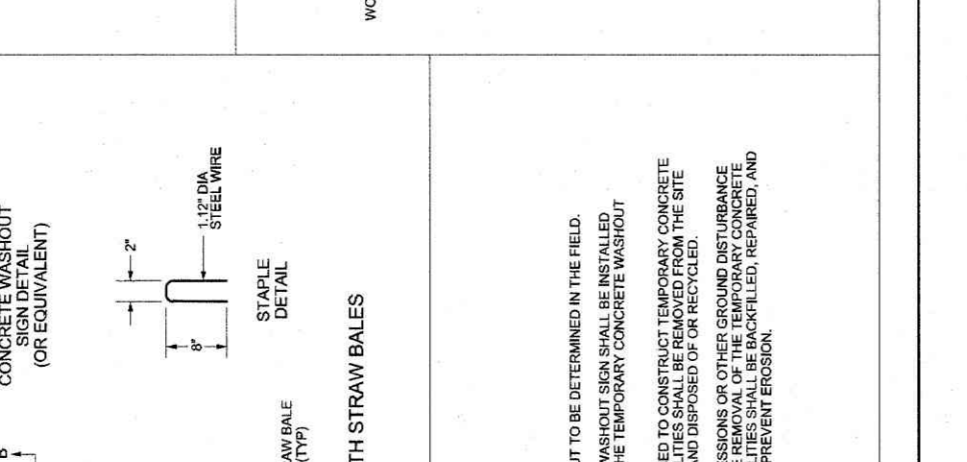
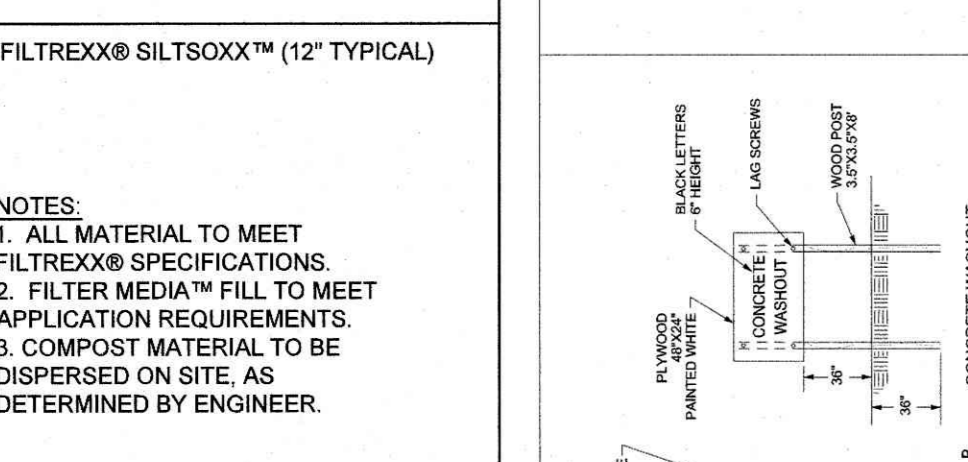
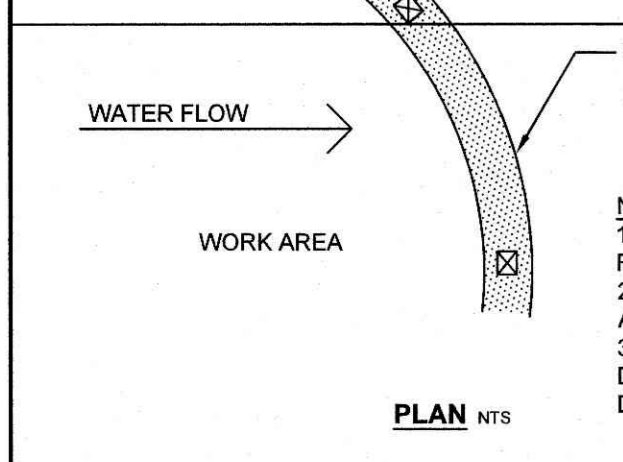
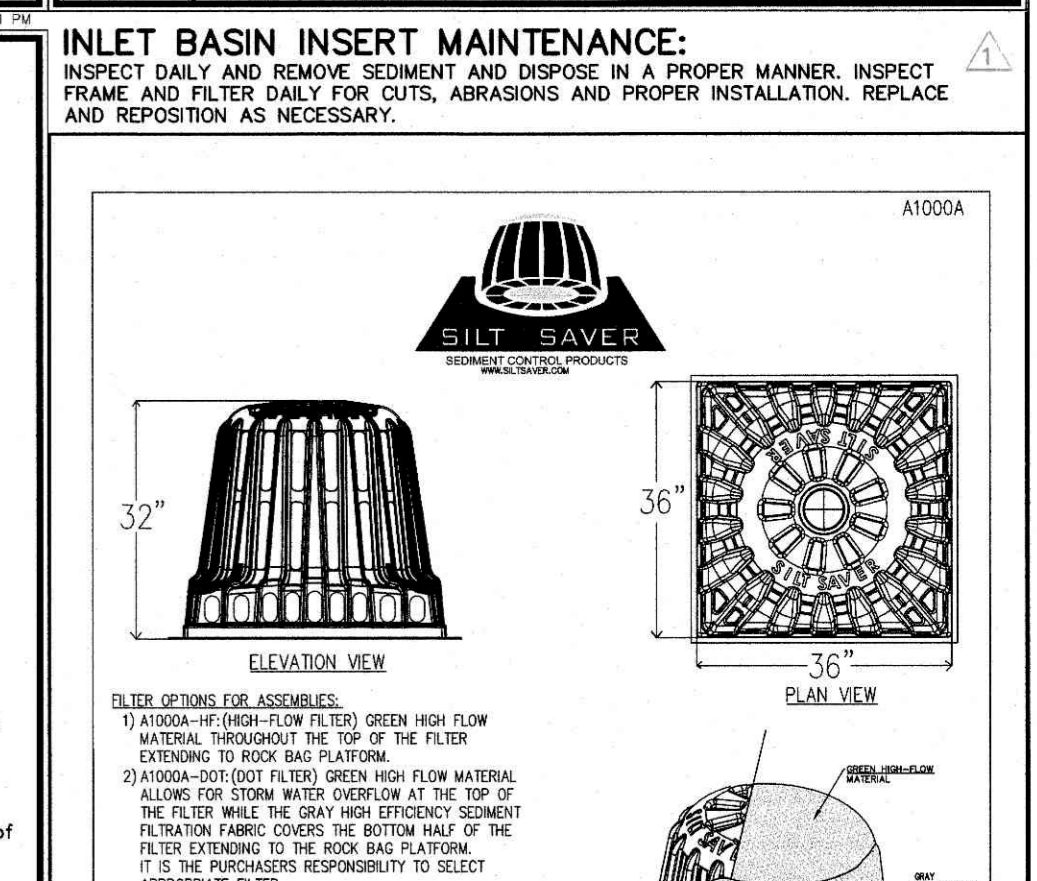
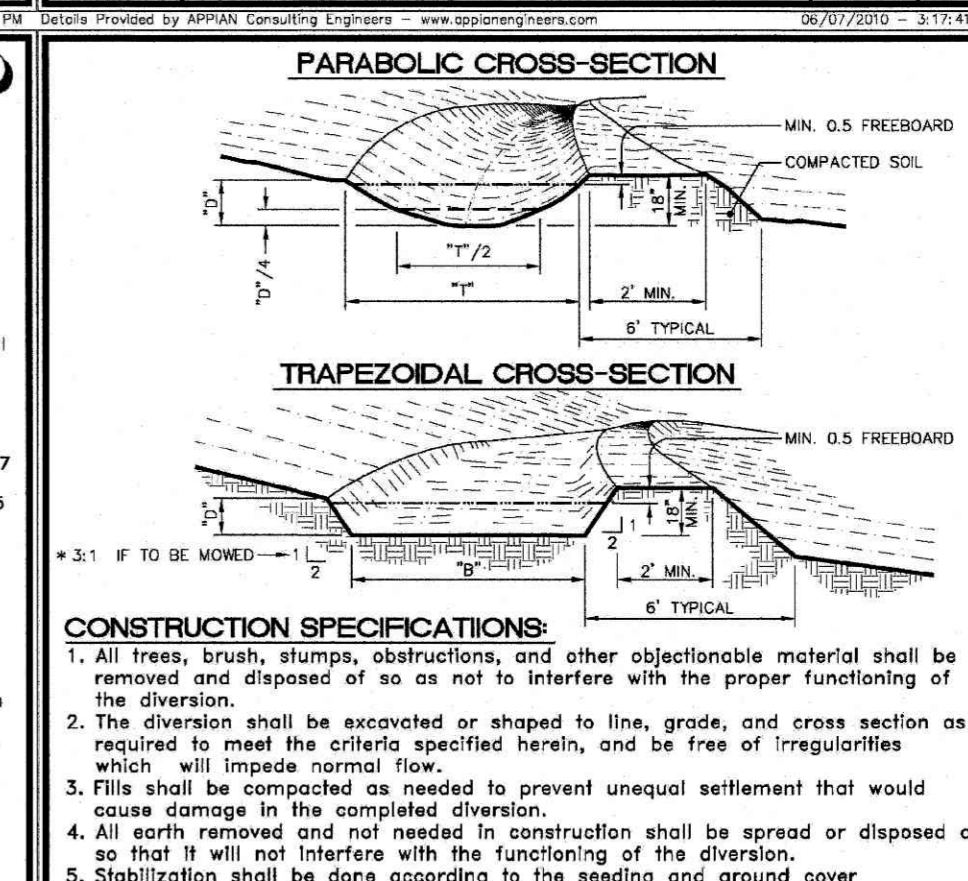
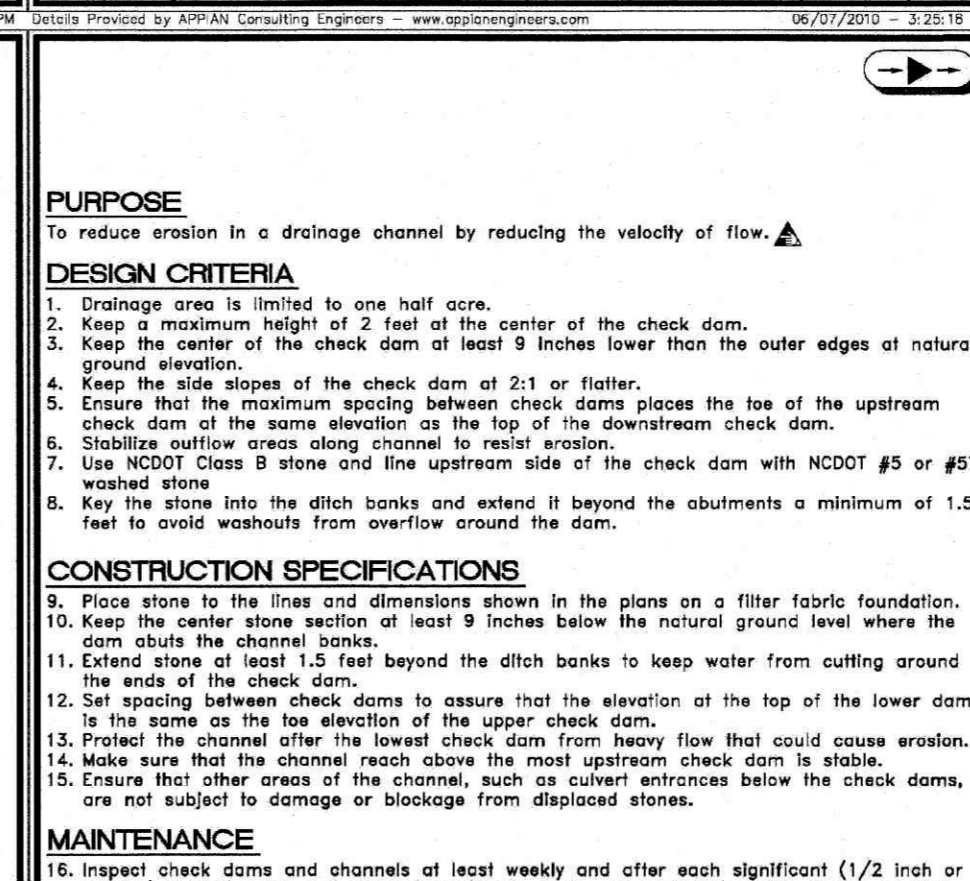
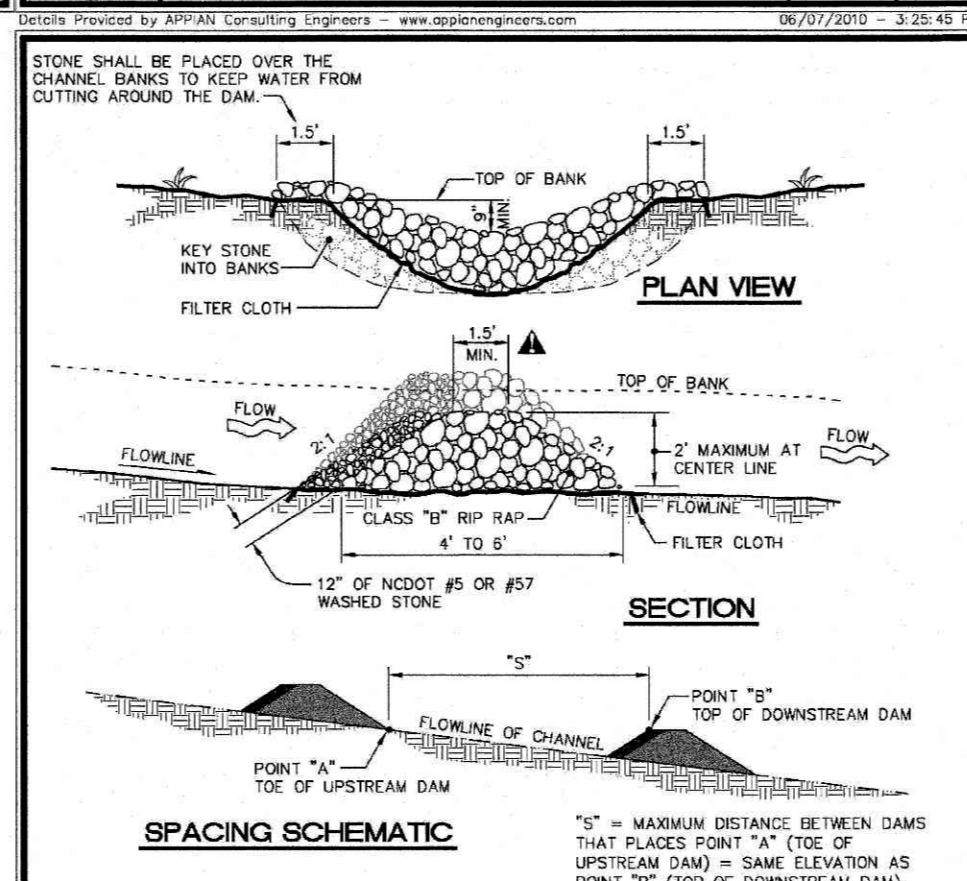
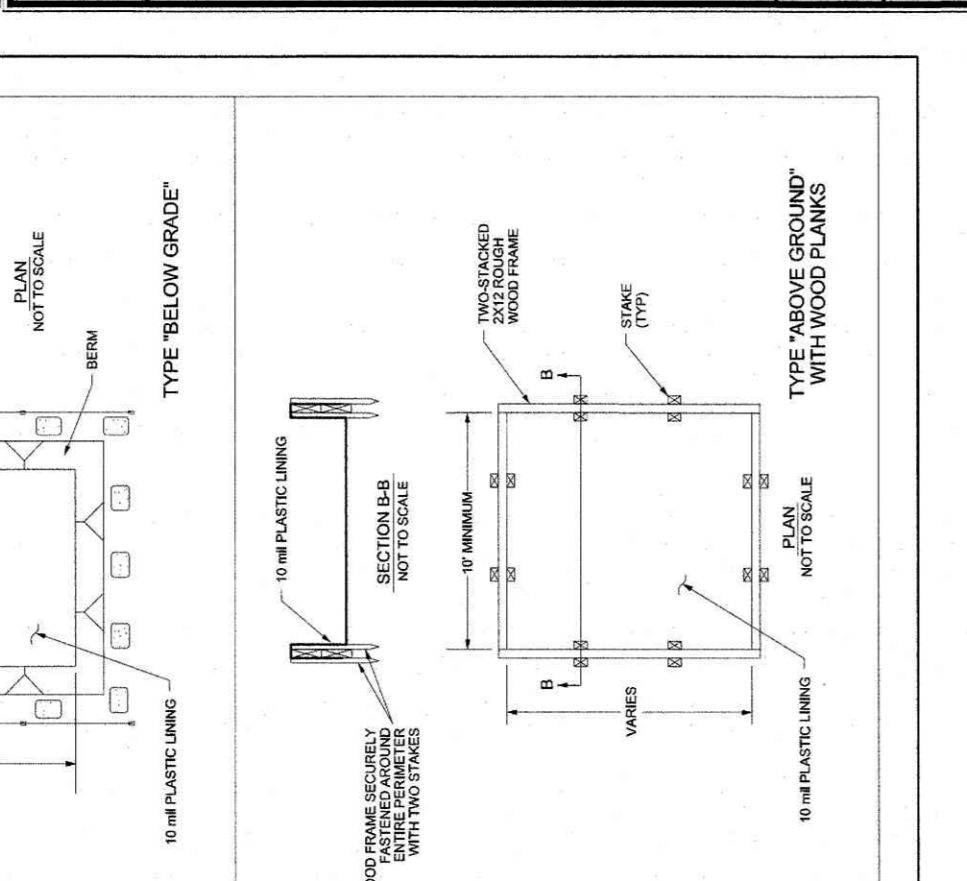
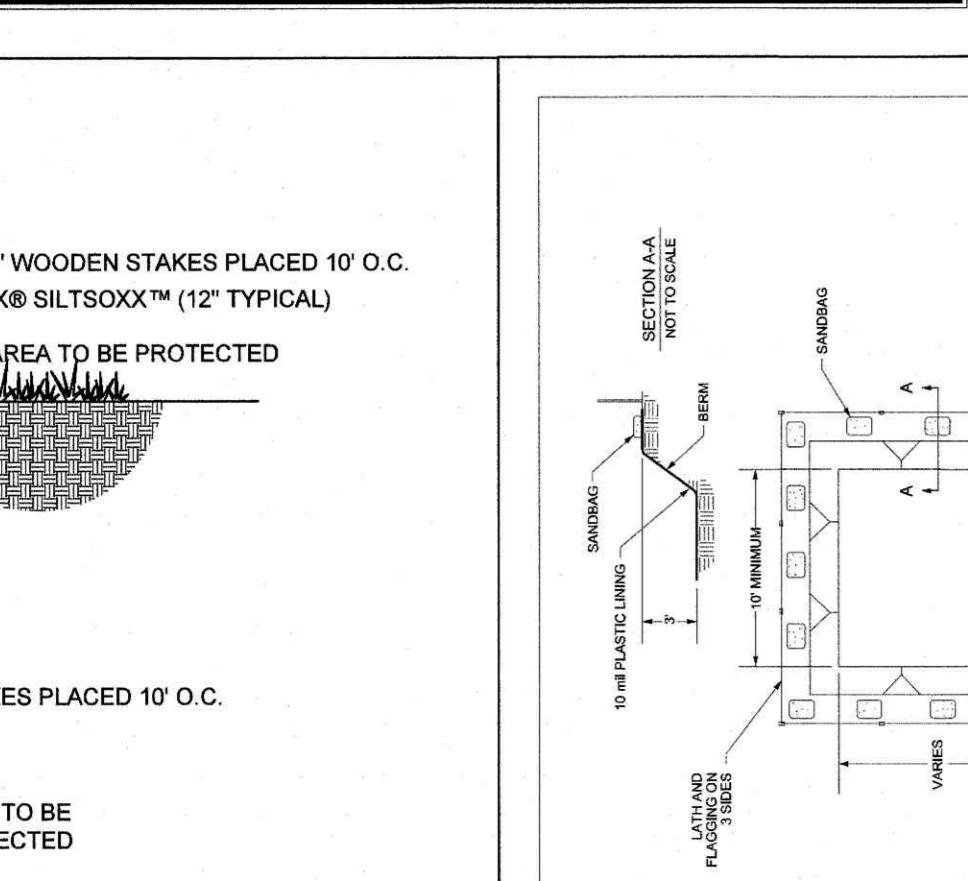
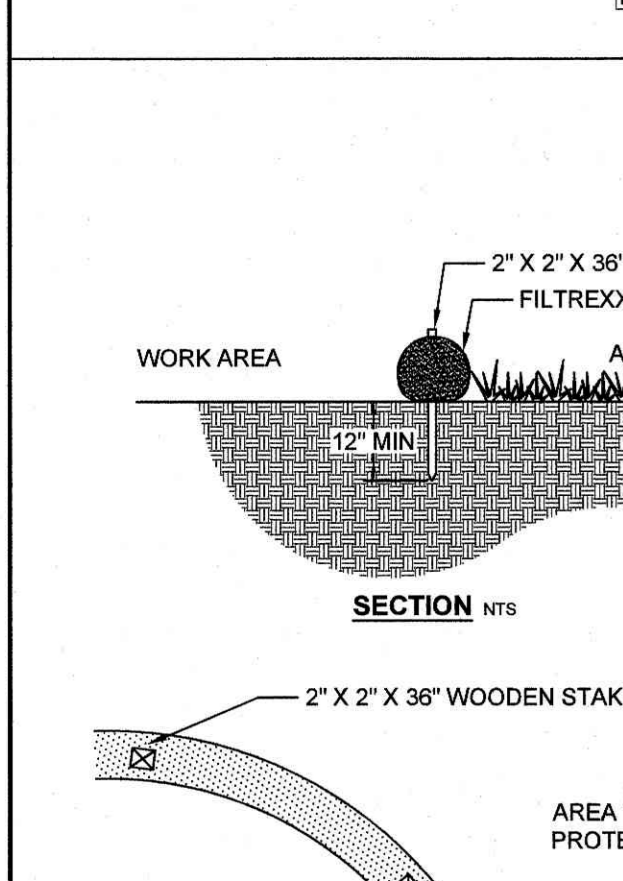
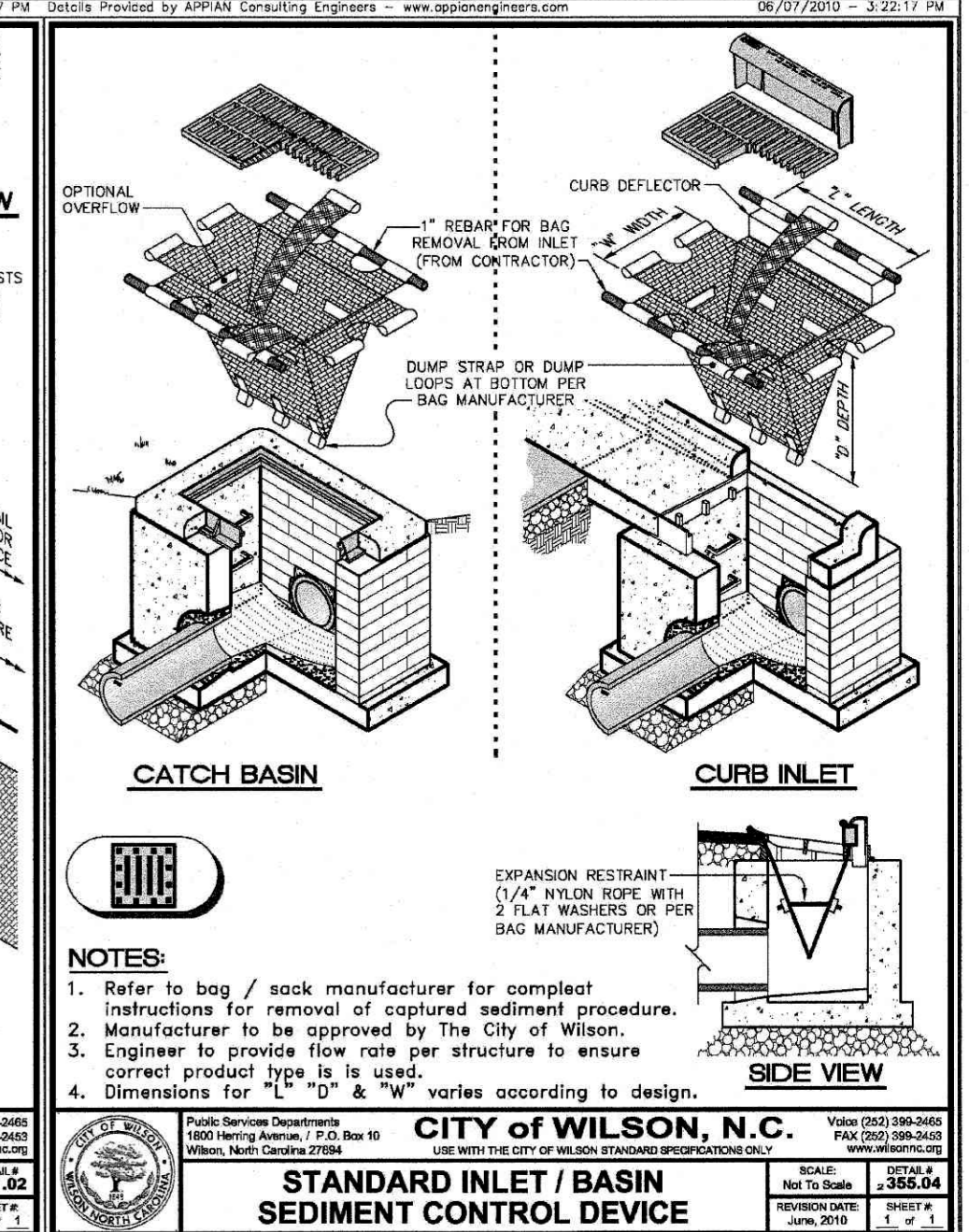
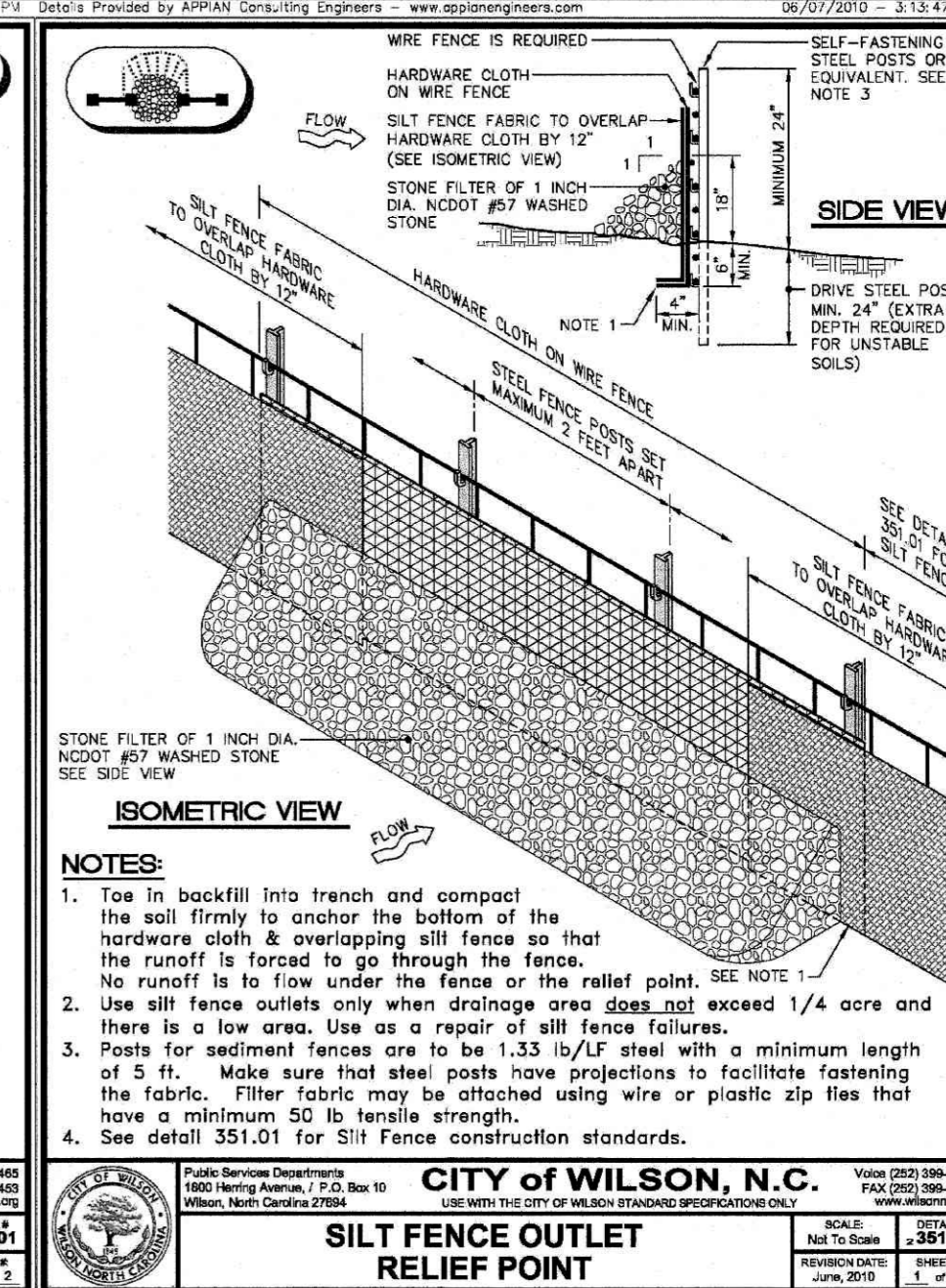
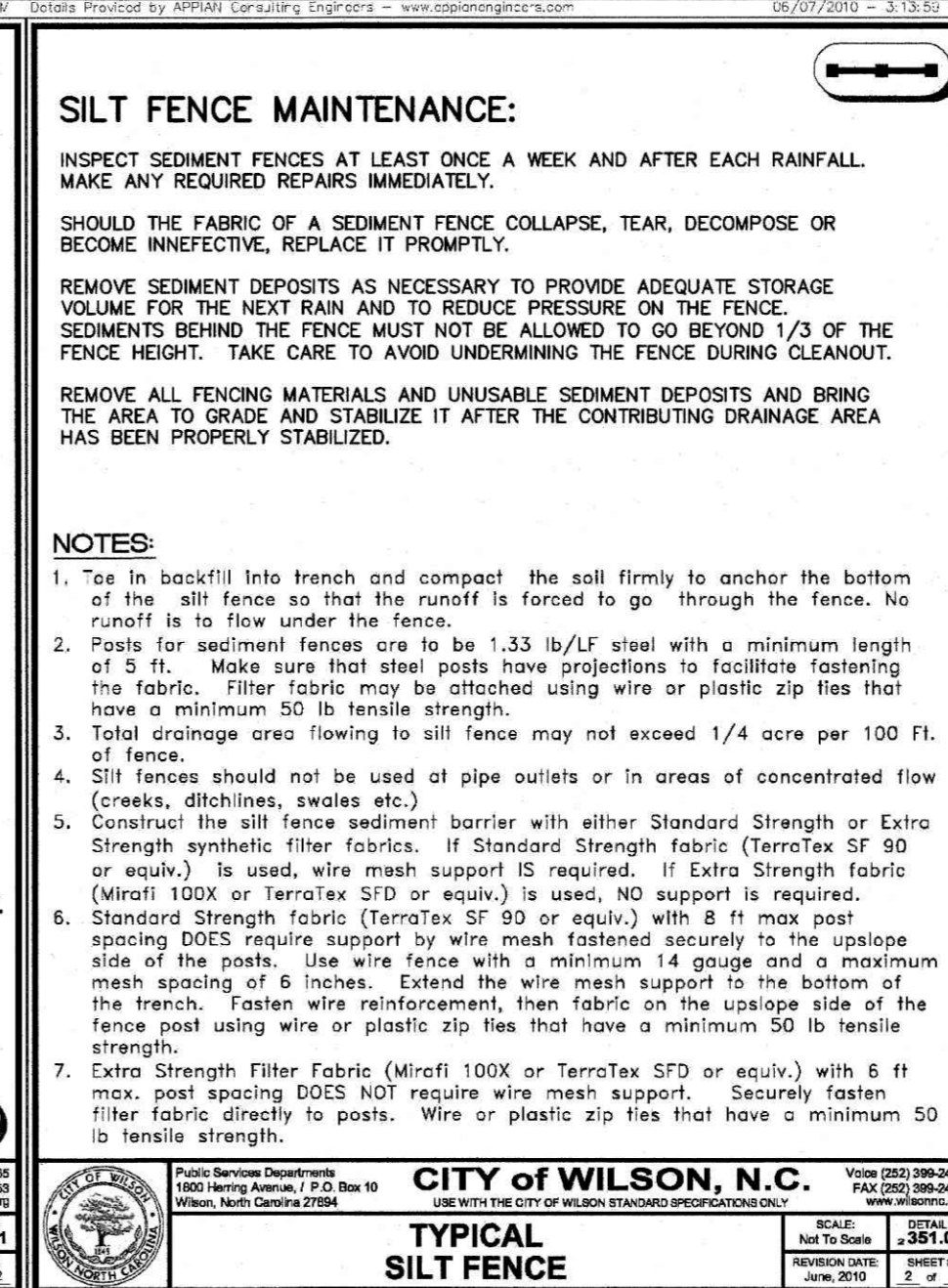
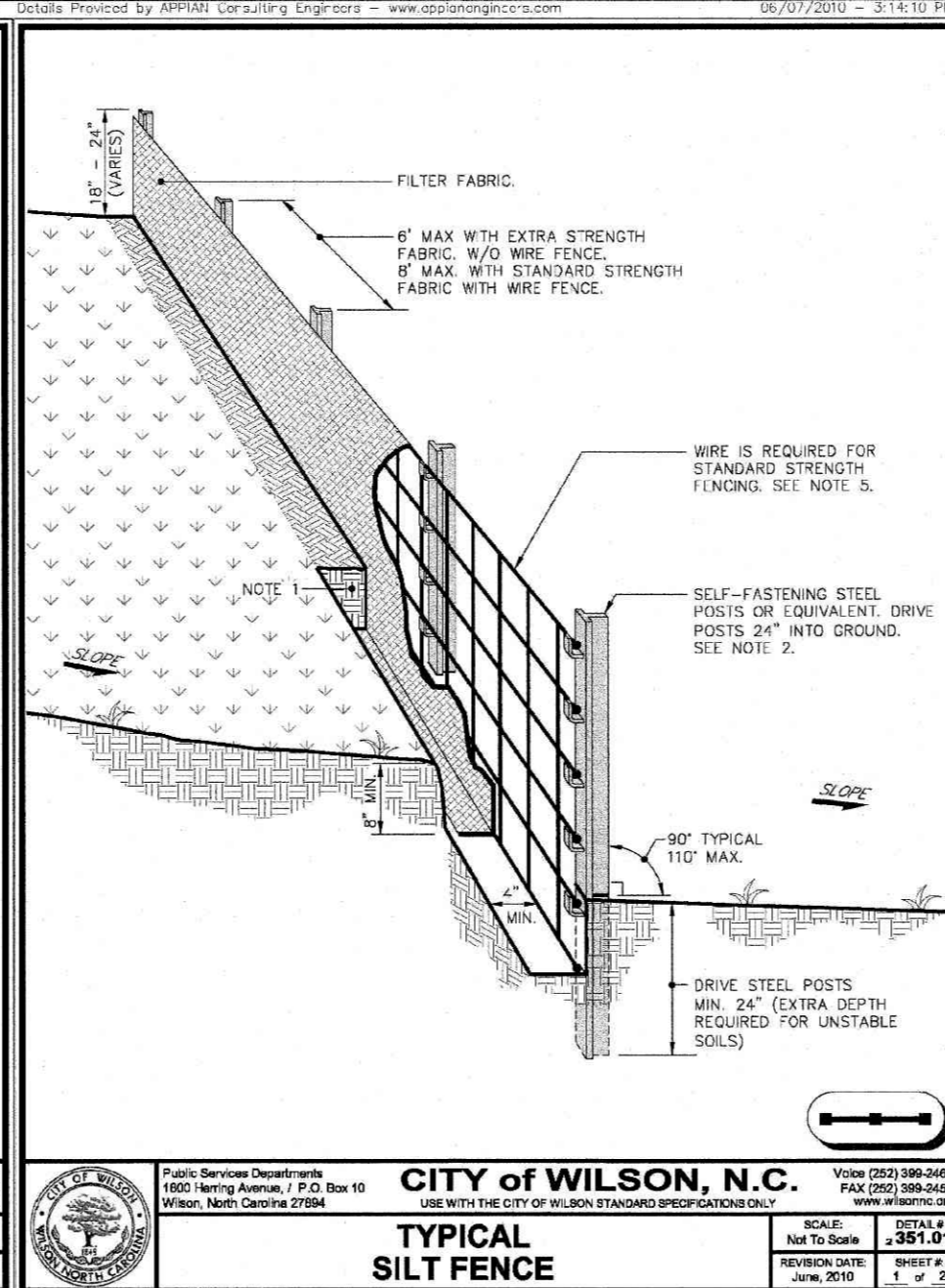
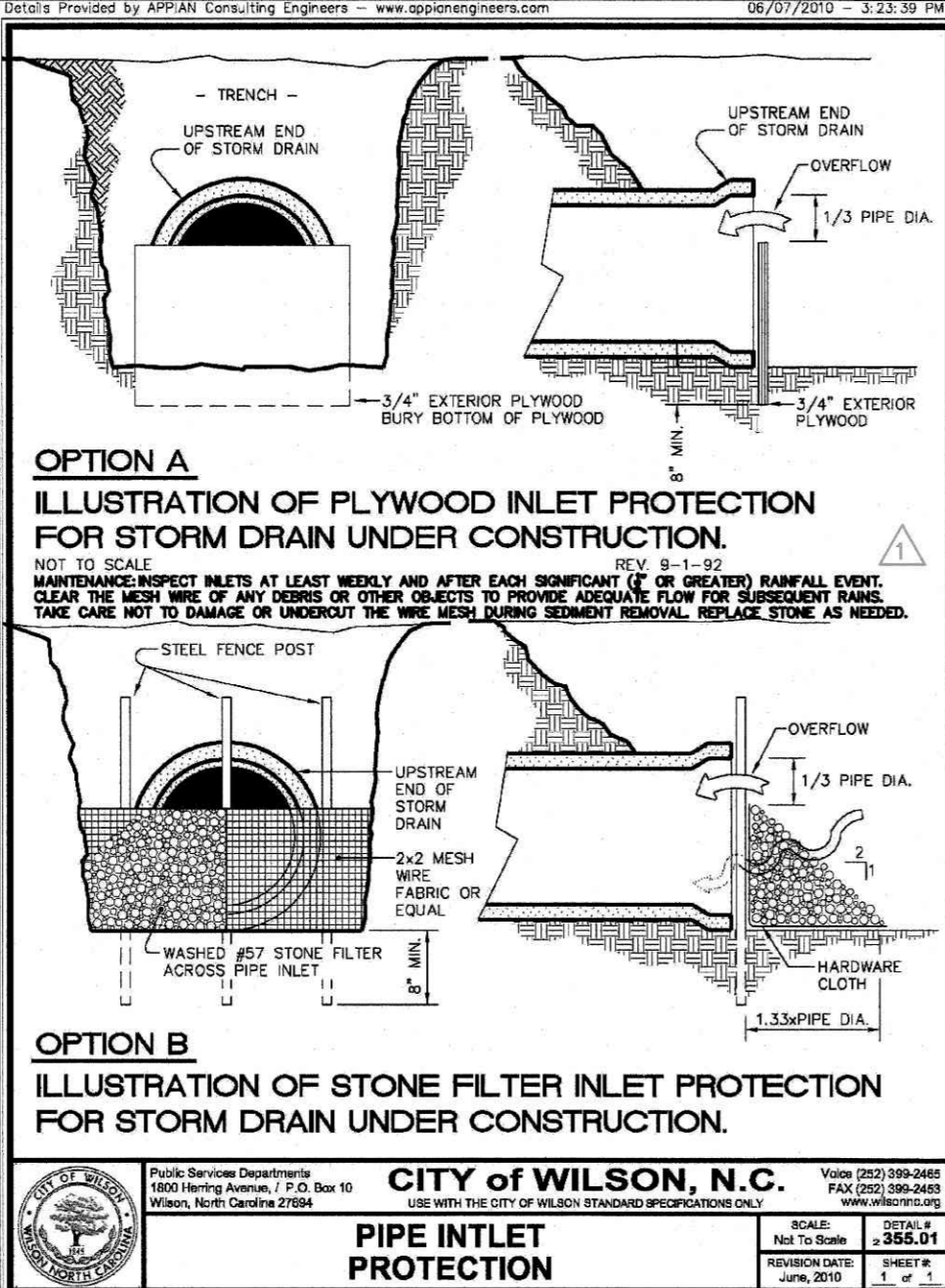
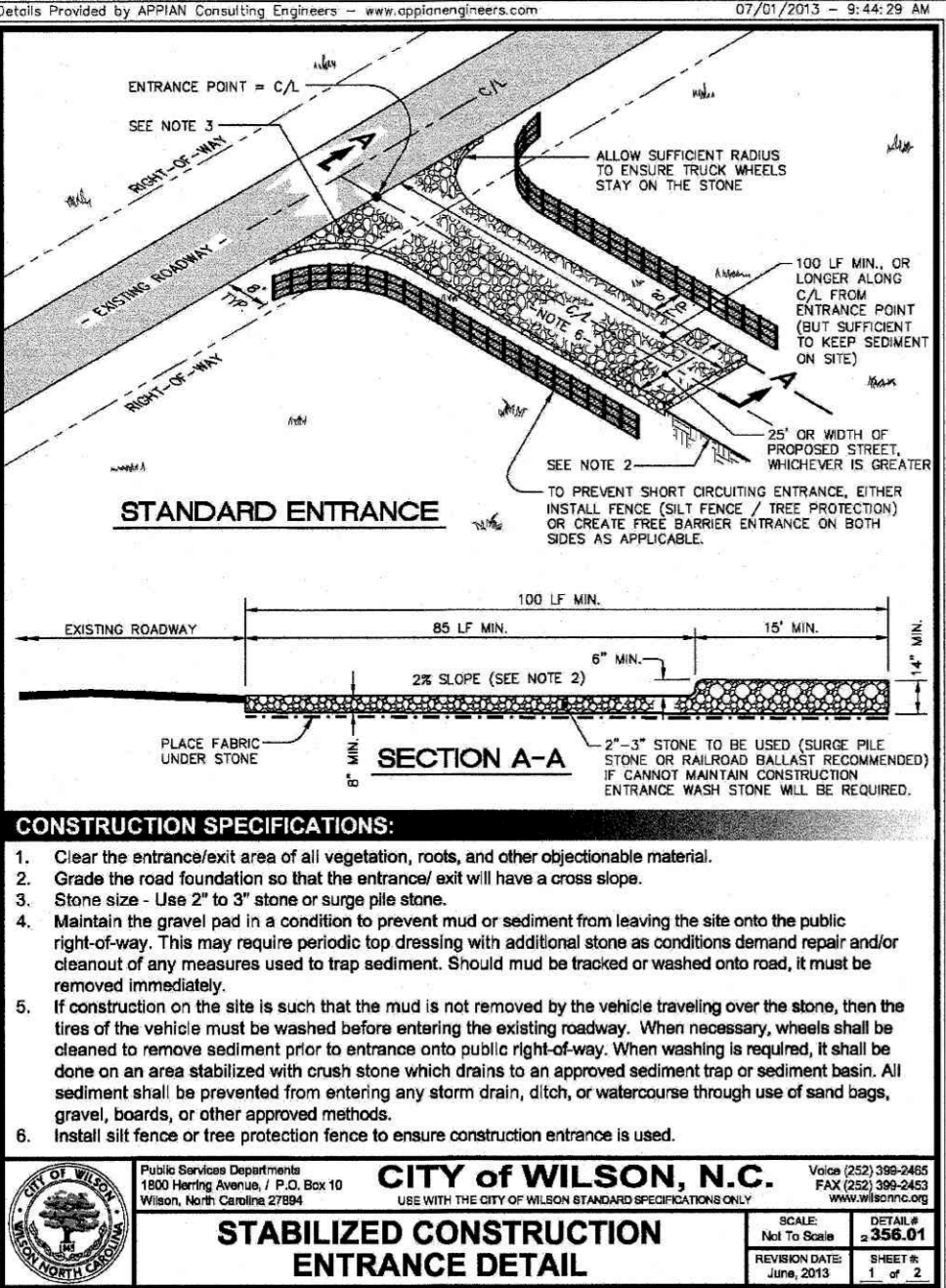
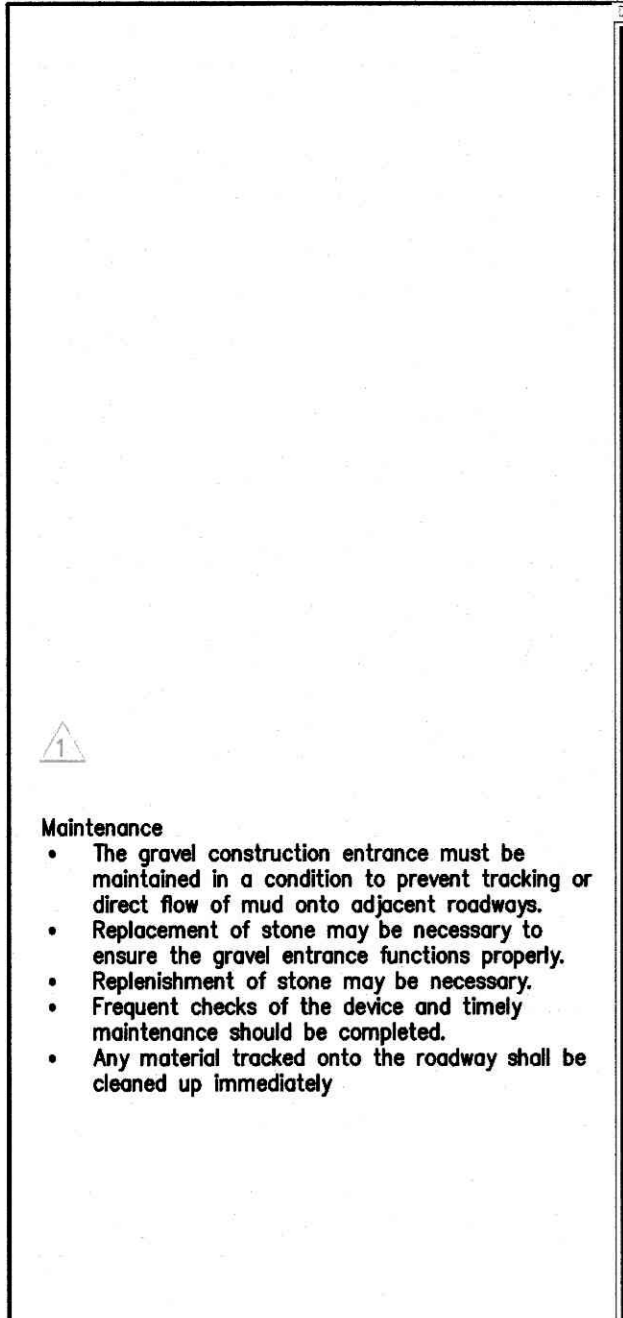
NORTH CAROLINA FIRM LICENSE: P-0115  
303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTEATHLETIC COMPLEX**  
CITY OF WILSON NORTH CAROLINA

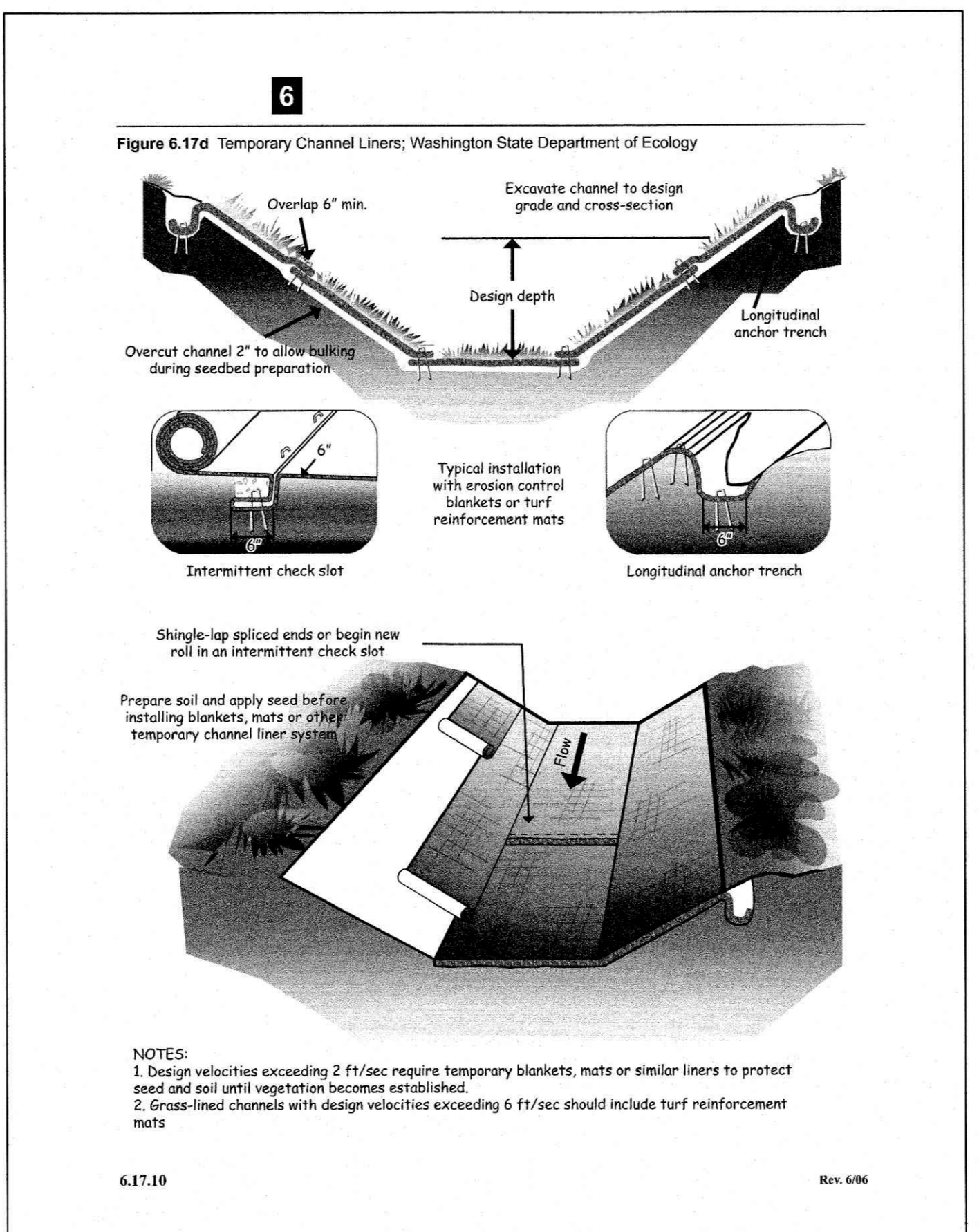
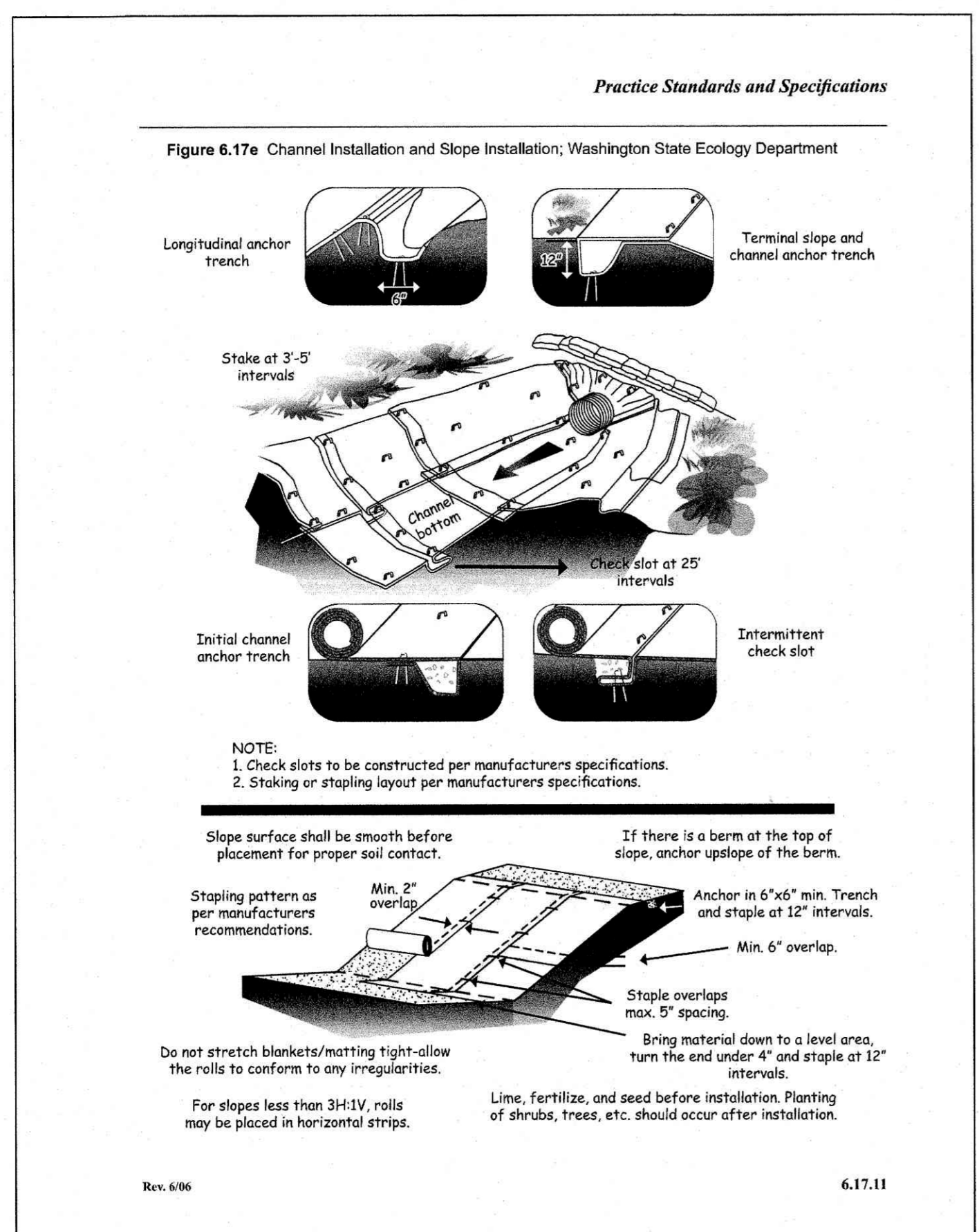
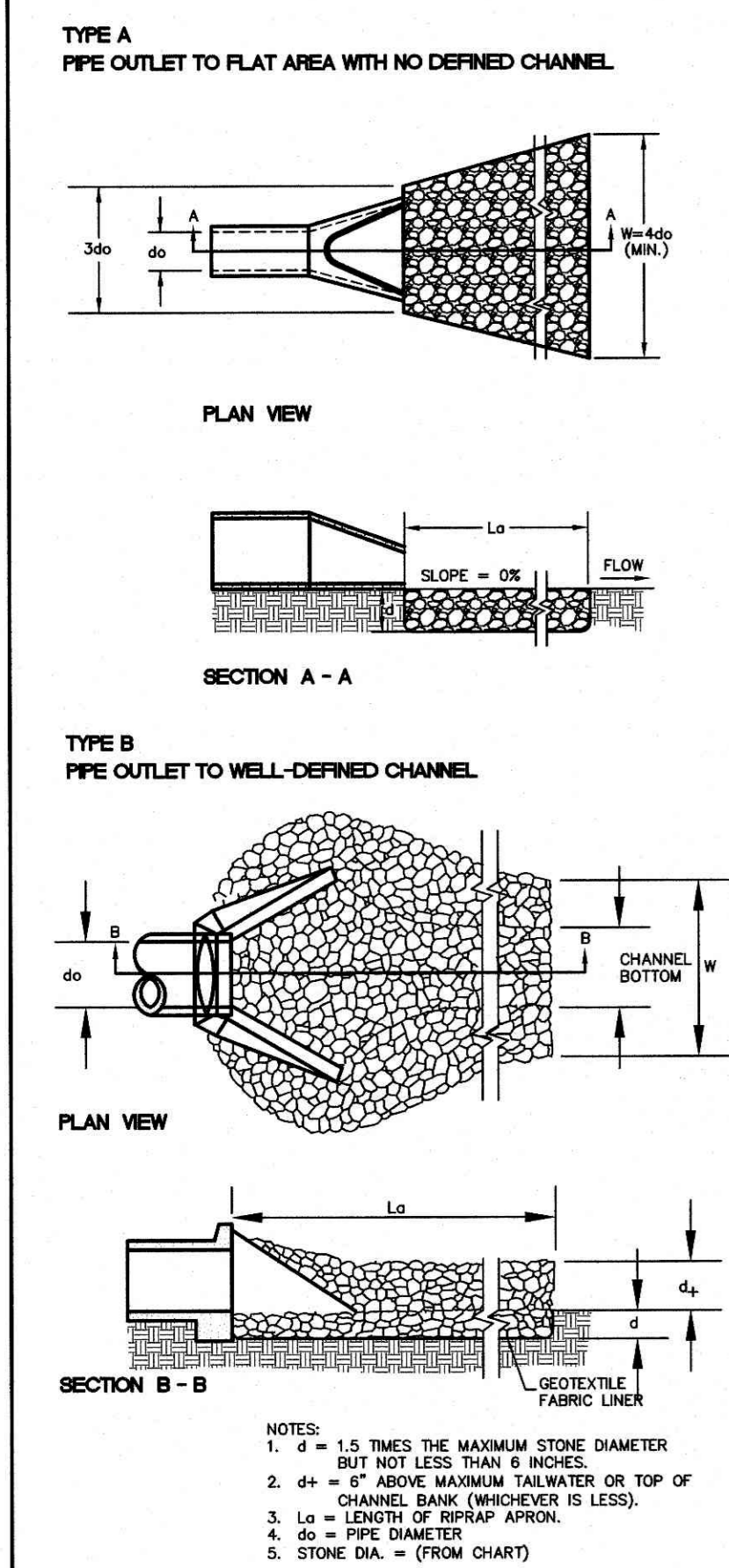
**DETAILS**

REVISION	DATE	BY	DATE: March 14, 2023
			GRAPHIC SCALE
			AS SHOWN
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SHEET NO. 13 OF 17			









**Construction Specifications**

**Construction**  
Even if properly designed, if not properly installed, RECP's will probably not function as desired. Proper installation is imperative. Even if properly installed, if not properly tined and nourished, vegetation will probably not grow as desired. Proper seed/vegetation selection is also imperative.

Grade the surface of installation areas so that the ground is smooth and loose. When seeding prior to installation, follow the steps for seed bed preparation, soil amendments, and seeding in *Surface Stabilization*, 6.1. All gullies, rills, and any other disturbed areas must be fine graded prior to installation. Spread seed before RECP installation. (**Important:** Remove all large rocks, dirt clods, stumps, roots, grass clumps, trash, and other obstructions from the soil surface to allow for direct contact between the soil surface and the RECP.)

Terminal anchor trenches are required at RECP ends and intermittent trenches must be constructed across channels at 25-foot intervals. Terminal anchor trenches should be a minimum of 12 inches in depth and 6 inches in width, while intermittent trenches need be only 6 inches deep and 6 inches wide.

**Installation for Slopes**—Place the RECP 2-3 feet over the top of the slope and into an excavated end trench measuring approximately 12 inches deep by 6 inches wide. Pin the RECP at 1 foot intervals along the bottom of the trench, backfill, and compact. Unroll the RECP down (or along) the slope maintaining direct contact between the soil and the RECP. Overlap adjacent rolls a minimum of 3 inches. Pin the RECP to the ground using staples or pins in a 3 foot center-to-center pattern. Less frequent stapling/pinning is acceptable on moderate slopes.

**Installation in Channels**—Excavate terminal trenches (12 inches deep and 6 inches wide) across the channel at the upper and lower end of the lined channel sections. At 25-foot intervals along the channel, anchor the RECP across the channel either in 6 inch by 6 inch trenches or by installing two closely spaced rows of anchors. Excavate longitudinal trenches 6 inches deep and wide along channel edges (above water line) in which to bury the outside RECP edges. Place the first RECP at the downstream end of the channel. Place the end of the first RECP in the terminal trench and pin it at 1 foot intervals along the bottom of the trench.

**Note:** The RECP should be placed upside down in the trench with the roll on the downstream side of the trench.

Once pinned and backfilled, the RECP is deployed by wrapping over the top of the trench and unrolling upstream. If the channel is wider than the provided rolls, place ends of adjacent rolls in the terminal trench, overlapping the adjacent rolls a minimum of 3 inches. Pin at 1 foot intervals, backfill, and compact. Unroll the RECP in the upstream direction until reaching the first intermittent trench. Fold the RECP back over itself, positioning the roll on the downstream side of the trench, and allowing the mat to conform to the trench.

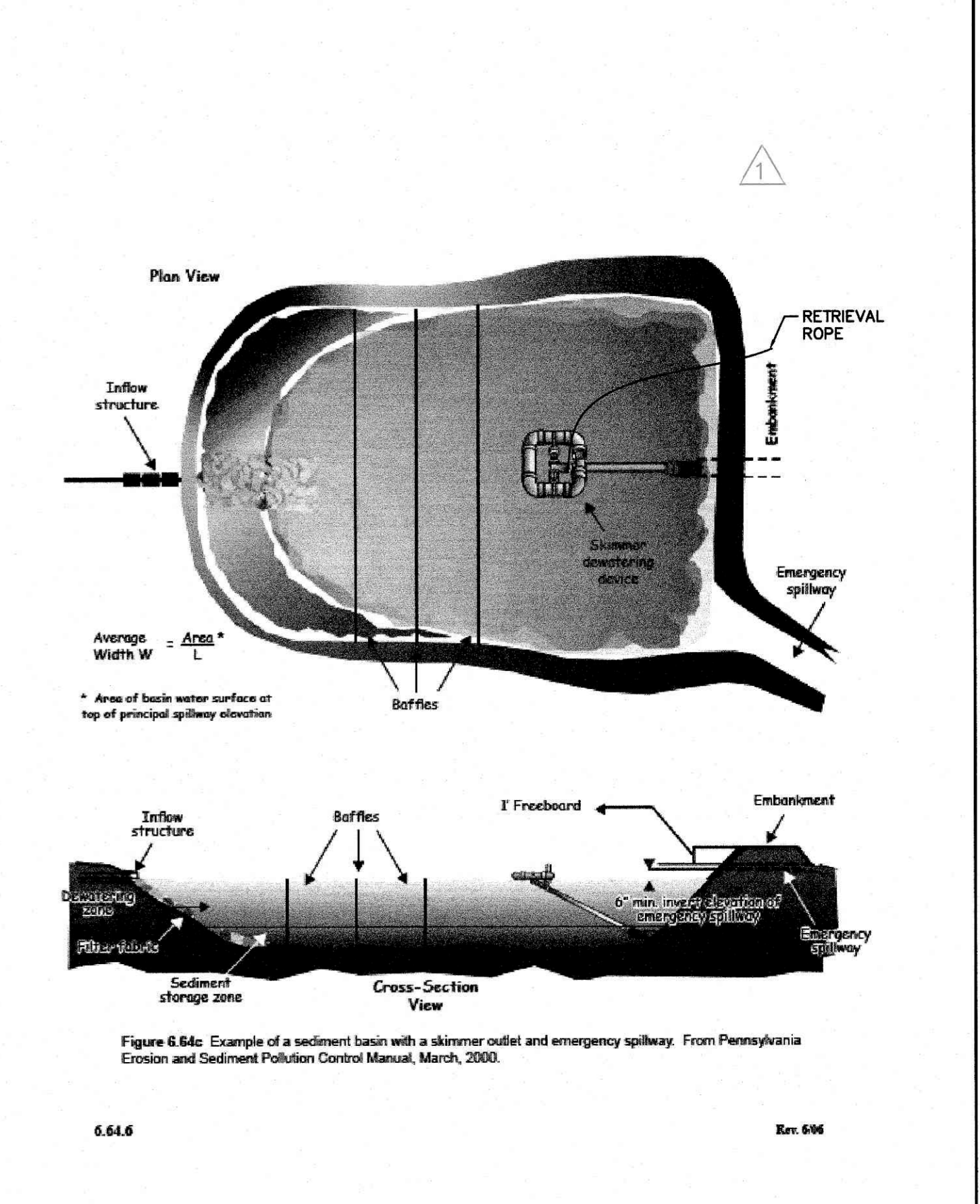
**Note:** The RECP should be placed upside down in the trench with the roll on the downstream side of the trench.

Then pin the RECP (two layers) to the bottom of the trench, backfill, and compact. Continue up the channel (wrapping over the top of the intermittent trench) repeating this step at other intermittent trenches, until reaching the upper terminal trench.

At the upper terminal trench, allow the RECP to conform to the trench, secure with pins or staples, backfill, compact and then bring the mat back over the top of the trench and onto the existing mat (2 to 3 feet overlap in the downstream direction), and pin at 1 foot intervals across the RECP. When starting installation of a new roll, begin in a trench or shingle-lap ends of rolls a minimum of 1 foot with upstream RECP on top to prevent upflitting. Place the outside edges of the RECP(s) in longitudinal trenches, pin, backfill, and compact.

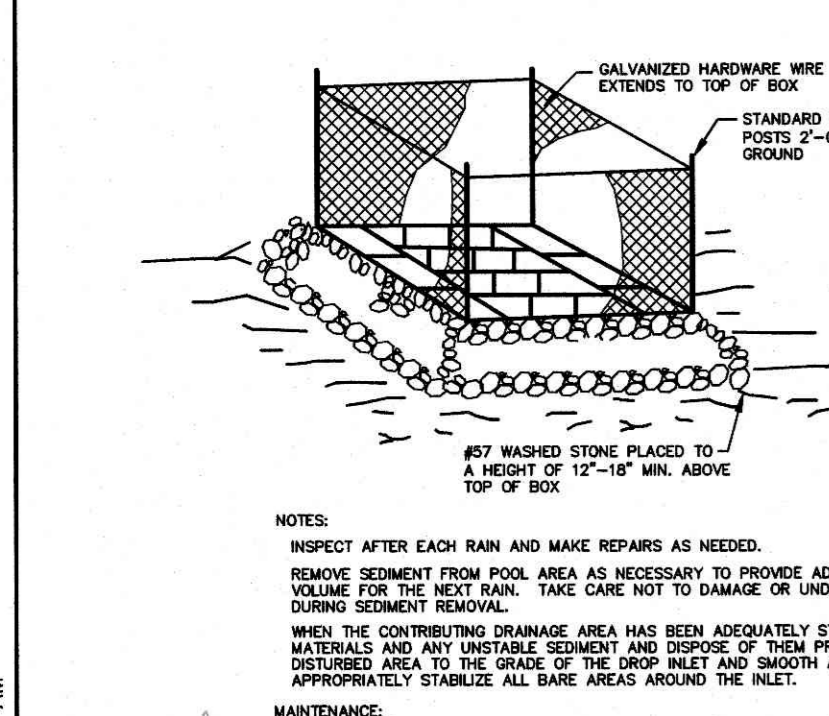
**Anchoring Devices**—1 gauge, at least 6 inches length by 1 inch width staples or 12 inch minimum length wooden stakes are recommended for anchoring the RECP to the ground.

Drive staples or pins so that the top of the staple or pin is flush with the ground surface. Anchor each RECP every 3 feet along its center. Longitudinal overlaps must be sufficient to accommodate a row of anchors and uniform along the entire length of overlap and anchored every 3 feet along the overlap length. Roll ends may be spliced by overlapping 1 foot (in the direction of water flow), with the upstream/upslope mat placed on top of the downstream/downslope RECP. This overlap should be anchored at 1 foot spacing across the RECP. When installing multiple width mats seam in the factory, all factory seams and field overlaps should be similarly anchored.

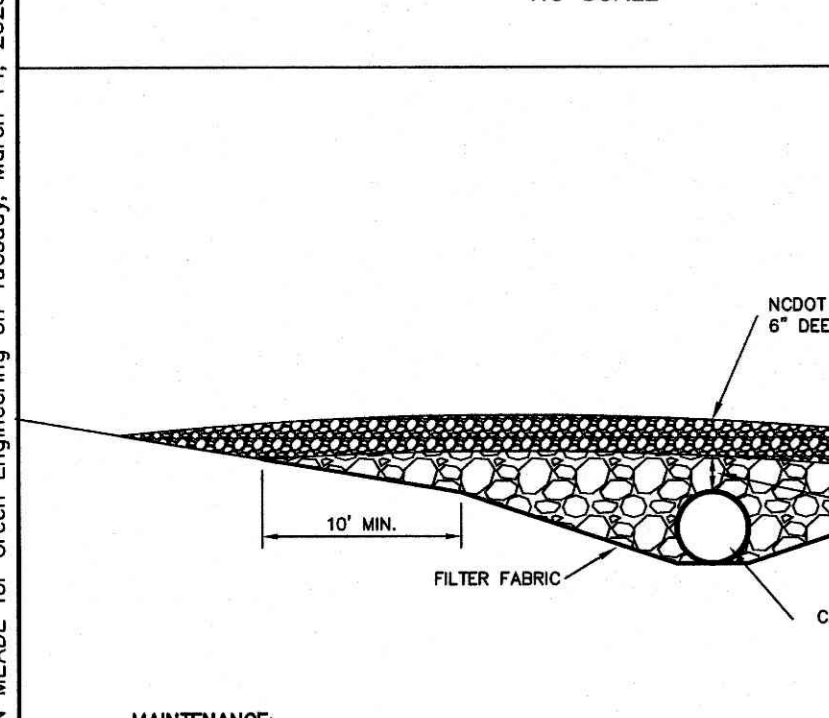


**MAINTENANCE**  
INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLOADED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

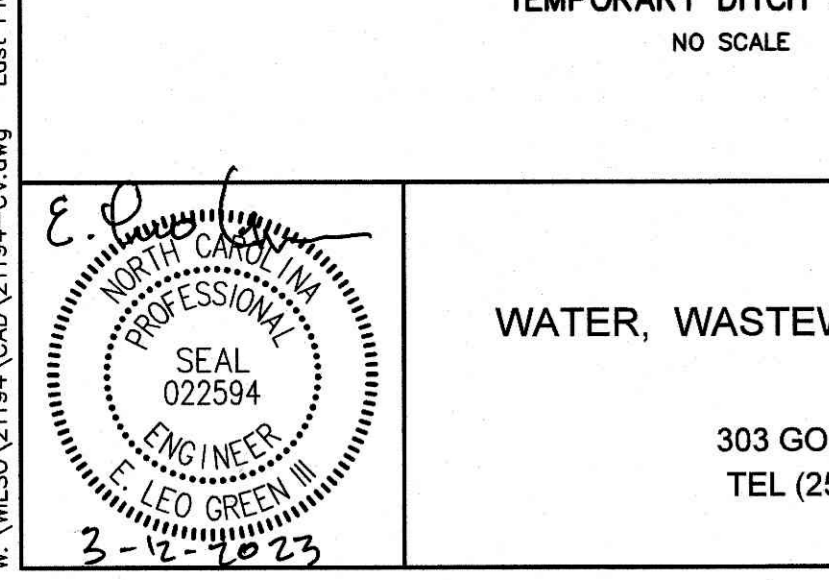
**OUTLET PROTECTION**  
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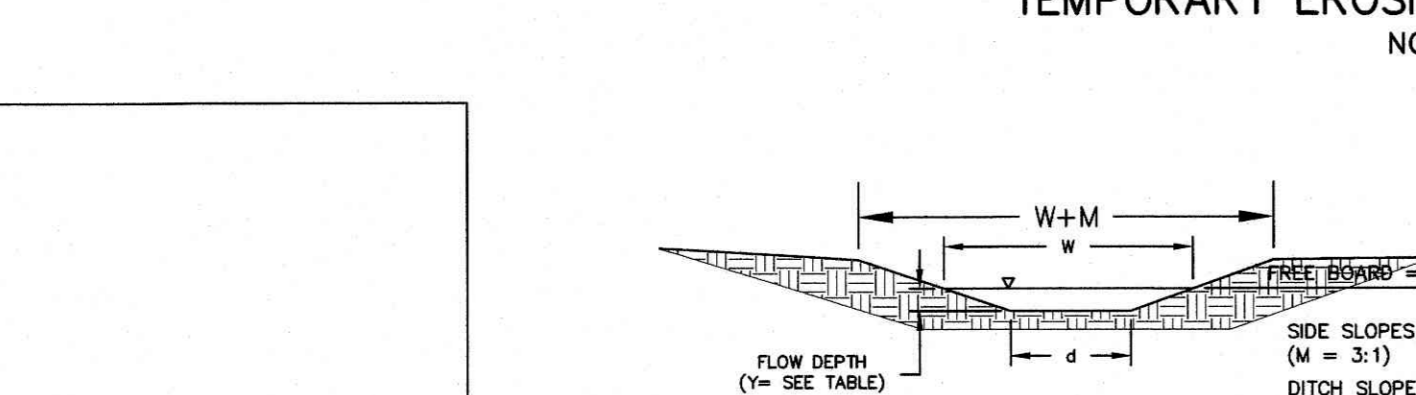
**CATCH BASIN / YARD INLET PROTECTION DETAIL**  
NO SCALE



**TEMPORARY DITCH CROSSING**  
NO SCALE



**TEMPORARY EROSION CONTROL MATTING**  
NO SCALE



**TEMPORARY DIVERSIONS**  
NO SCALE

**Channel design**—shape: parabolic, trapezoidal, or V-shaped  
side slope: 2:1 or flatter  
3:1 or flatter where vehicles cross

**Grades**—Either a uniform or a gradually increasing grade is preferred. Sudden decreases in grade accumulate sediment and should be expected to cause overtopping. A large increase in grade may erode.

**Outlet**—Design the outlet to accept flow from the diversion plus any other contributing areas. Divert sediment-laden runoff and release through a sediment-trapping device (Practice 6.60, *Temporary Sediment Trap* and Practice 6.61, *Sediment Basin*). Flow from undisturbed areas can be dispersed by a level spreader (Practice 6.40, *Level Spreader*).

**Small diversions**—Where the diversion channel grade is between 0.2 and 3%, a permanent vegetative cover is required. A parabolic channel and ridge 1.5 feet deep and 12 feet wide may be used for diversions with flows up to 5 cfs. This depth does not include freeboard or settlement. Side slopes should be 3:1 or flatter, and the top of the dike must be at least 2 feet wide.

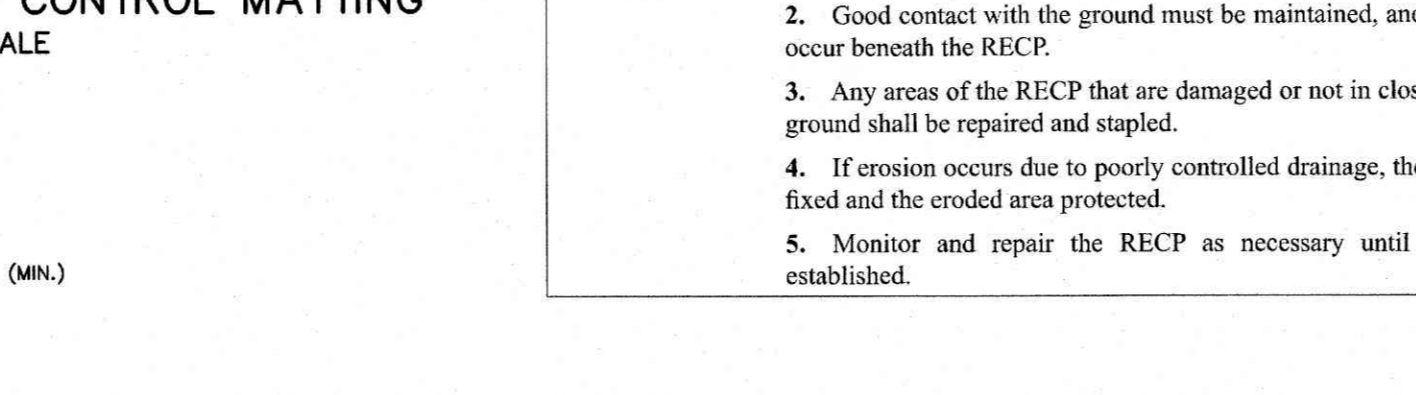
**Construction Specifications**

1. Remove and properly dispose of all trees, brush, stumps, and other objectionable material.
2. Ensure that the minimum constructed cross section meets all design requirements.
3. Ensure that the top of the dike is not lower at any point than the design elevation plus the specified settlement.
4. Provide sufficient room around diversions to permit machine regrading and cleanup.
5. Vegetate the ridge immediately after construction, unless it will remain in place less than 30 working days.

**Maintenance**

Inspect temporary diversions once a week and after every rainfall. Immediately remove sediment from the flow area and repair the diversion ridge. Carefully check outlets and make timely repairs as needed. When the area protected is permanently stabilized, remove the ridge and the channel to blend with the natural ground level and appropriately stabilize it.

**TEMPORARY DIVERSIONS**  
NO SCALE



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NO SCALE

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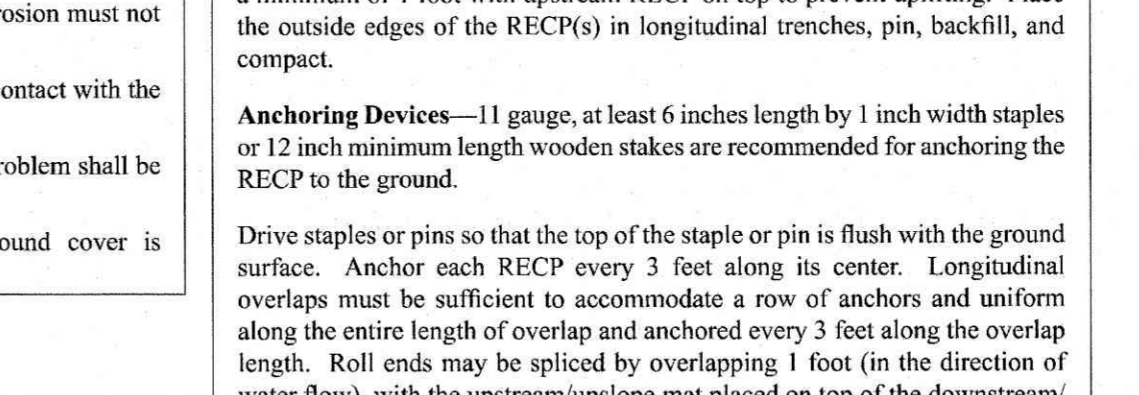
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**CONSTRUCTION SPECIFICATION**

1. CLEAR, GRUB, AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL AREA. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW BASIN AS NEEDED.
2. ENSURE THAT FILL MATERIAL FOR THE EMBANKMENT IS FREE OF ROOTS, WOODY VEGETATION, ORGANIC MATTER, AND OTHER OBJECTIONABLE MATERIAL. PLACE THE FILL IN LIFTS NOT TO EXCEED 9 INCHES, AND MACHINE COMPACT IT. OVERLAP THE EMBANKMENT 6 INCHES TO ALLOW FOR SETTLEMENT.
3. SHAPE THE BASIN TO THE SPECIFIED DIMENSIONS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO THE MUD BY EXCAVATING A SHALLOW PIT UNDER THE SKIMMER OR PROVIDING A LOW SUPPORT UNDER THE SKIMMER OF STONE OR TIMBER.
4. PLACE THE BARREL (TYPICALLY 4-INCH SCHEDULE 40 PVC PIPE) ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED STONE AS BACKFILL AROUND THE PIPE. PLACE THE FILL MATERIAL AROUND THE PIPE SPILLWAY IN 4-INCH LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE FROM THE FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES. PLACE A MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.
5. ASSEMBLE THE SKIMMER FOLLOWING THE MANUFACTURER'S INSTRUCTIONS, OR AS DESIGNED.
6. LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF THE BARREL. ATTACH THE FLEXIBLE JOINT TO THE BARREL PIPE AND POSITION THE SKIMMER OVER THE EXCAVATED PIT OR SUPPORT. BE SURE TO ATTACH A ROPPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.
7. EARTHEN SPILLWAYS—INSTALL THE SPILLWAY IN UNDISTURBED SOIL TO THE GREATEST EXTENT POSSIBLE. THE ACHIEVEMENT OF PLANNED ELEVATIONS, GRADE, DESIGN WIDTH, AND ENTRANCE AND EXIT CHANNEL SLOPES ARE CRITICAL TO THE SUCCESSFUL OPERATION OF THE SPILLWAY. THE SPILLWAY SHOULD BE LINED WITH LAMINATED PLASTIC OR IMPERMEABLE GEOTEXTILE FABRIC. THE FABRIC MUST BE WIDE AND LONG ENOUGH TO COVER THE BOTTOM AND SIDES AND EXTEND ONTO THE TOP OF THE DAM FOR ANCHORING IN A TRENCH. THE EDGES MAY BE SECURED WITH 8-INCH STAPLES OR PINS. THE FABRIC MUST BE LONG ENOUGH TO EXTEND DOWN THE SLOPE AND EXTEND ONTO STABLE GROUND. THE WIDTH OF THE FABRIC MUST BE ONE PIECE, NOT JOINED OR SPLICED; OTHERWISE WATER CAN GET UNDER THE FABRIC. IF THE LENGTH OF THE FABRIC IS INSUFFICIENT FOR THE ENTIRE LENGTH OF THE SPILLWAY, MULTIPLE SECTIONS, SPANNING THE COMPLETE WIDTH, MAY BE USED. THE UPPER SECTIONS(S) SHOULD OVERLAP THE LOWER SECTION(S) SO THAT WATER CANNOT FLOW UNDER THE FABRIC. SECURE THE UPPER EDGE AND SIDES OF THE FABRIC IN A TRENCH WITH STAPLES OR PINS TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEDIMENT-LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY.
8. EROSION CONTROL—CONSTRUCT THE STRUCTURE SO THAT THE DISTURBED AREA IS MINIMIZED. DIVERT SURFACE WATER AWAY FROM BARE AREAS. COMPLETE THE EMBANKMENT BEFORE THE AREA IS CLEARED. STABILIZE THE EMBANKMENT SPILLWAY EMBANKMENT AND ALL OTHER DISTURBED AREAS ABOVE THE CREST OF THE PRINCIPAL SPILLWAY IMMEDIATELY AFTER CONSTRUCTION.
9. INSTALL POROUS Baffles AS SPECIFIED IN PRACTICE 6.65
11. AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY.

**MAINTENANCE**

INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

REPAIR THE Baffles IF THEY ARE DAMAGED. RE-ANCHOR THE Baffles IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THESE DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER. CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIR IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

**SEDIMENT BASIN WITH SKIMMER OUTLET AND EMERGENCY SPILLWAY**  
NO SCALE

REVISION	DATE	BY	DATE
	March 14, 2023		

GRAPHIC SCALE

AS SHOWN

CLIENT CODE: WILSO  
JOB NUMBER: 21-194  
FIELD BOOK: XXXXX  
CADFILE: 21194-CV.dwg  
ASCI FILE:  
LAST MODIFIED: 14-Mar-23  
MODIFIED BY: JM

SHEET NO. 15 OF 17

**GREEN ENGINEERING**  
WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT

NORTH CAROLINA FIRM LICENSE: P-0115  
303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

Professional Engineer Seal: JON MEADE, No. 022594, State of North Carolina, License No. 022594, Exp. 12-31-23.

**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**  
CITY OF WILSON  
NORTH CAROLINA

**CITY OF WILSON, N.C.**  
SKIMMER DETAIL

Scale: 1" = 1'-0"

DATE: 03/14/23

DESIGNED BY: J.M.

CHECKED BY: J.M.

APPROVED BY: J.M.



**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S&C Measures	At least once per 7 calendar days and within 24 hours of a rain event $\geq 1.0$ inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event $\geq 1.0$ inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or blockage, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event $\geq 1.0$ inch in 24 hours	1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or off-site (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event $\geq 1.0$ inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part II, Section C, Item (2)(6) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The plan of grading (installation of perimeter E&S&C measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover), 2. Documentation that the required ground stabilization measures have been provided within the required timeframe and an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**

**1. E&S&C Plan Documentation**

The approved E&S&C plan as well as any approved deviation shall be kept on the site. The approved E&S&C plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S&C plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&S&C Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S&C Plan.	Initial and date each E&S&C Measure on a copy of the approved E&S&C Plan or complete, date and sign an inspection report that lists each E&S&C Measure shown on the approved E&S&C Plan. This documentation is required upon the initial installation of the E&S&C Measures or if the E&S&C Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S&C Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S&C Plan.	Initial and date a copy of the approved E&S&C Plan or complete, date and sign an inspection report to indicate completion with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S&C Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S&C Measures.	Initial and date a copy of the approved E&S&C Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

**2. Additional Documentation**

In addition to the E&S&C Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This general permit as well as the certificate of coverage, after it is received.

(b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

(c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION C: REPORTING**

**1. Occurrences that must be reported**

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spill(s):

- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(d) Anticipated bypasses and unanticipated bypasses.

(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

**2. Reporting Timeframes and Other Requirements**

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.</li> <li>If the stream is named on the NC DWR List of Approved PAMS/Flocculants, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.</li> <li>Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.</li> </ul>
(b) Oil spill(s) and release of hazardous substances per Item 1(b)(5) above	<ul style="list-style-type: none"> <li>A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its causes, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its causes, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its causes, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	<ul style="list-style-type: none"> <li>A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its causes, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Site Area Description	Required Ground Stabilization Timeframes	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None	
(b) High Quality Water (HQW) Zones	7	None	
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
(d) Slopes 3:1 to 4:1	14		-10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Roll-on erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> <li>Roll-on erosion control products with grass seed</li> </ul>

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the time the soils are exposed to erosion and sediment control measures.
- Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

**EQUIPMENT AND VEHICLE MAINTENANCE**

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

**PAINT AND OTHER LIQUID WASTE**

- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

**PORTABLE TOILETS**

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

**EARTHEN STOCKPILE MANAGEMENT**

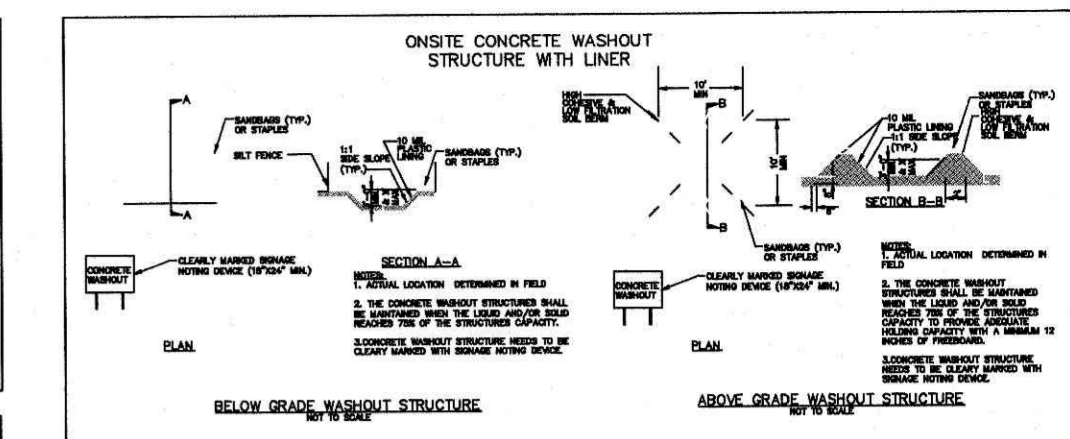
- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

**CONCRETE WASHOUTS**

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within 10' perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

**HAZARDOUS AND TOXIC WASTE**

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



**NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19**      **NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19**

**Table 6.14a Mulching Materials and Application Rates**

Material	Rate Per Acre	Quality	Notes
<b>Organic Mulches</b>			
Straw	1-2 tons	Dry, unchopped, unweathered, avoid weeds.	Should come from wheat or oats; spread by hand or machine; must be socked down.
Wood chips (ANCHOR STRAW BY TACKING WITH ASPHALT OR NETTING)	5-6 tons	Air dry	Treat with 12 lbs nitrogen. Apply with mulch blower, chip handler, or by hand. Not for use in fine turf.
Wood fiber	0.5-1 tons		Also referred to as wood cellulose. May be hydroseeded. Do not use in hot, dry weather.
Bark	35 cubic yards	Air dry, shredded or hammer-milled, or chips.	Apply with mulch blower, chip handler, or by hand. Do not use as top soil.
Corn stalks	4-6 tons	Cut or shredded in 4-6 in. lengths.	Apply with mulch blower or by hand. Not for use in fine turf.
Senecio	1-3 tons	Green or dry; should contain mature seed.	
<b>Nets and Mats*</b>			
Jute net	Cover area	Heavy, uniform; woven of single jute yarn.	Withstands waterflow. Best when used with organic mulch.
Fiberglass net	Cover area		Withstands waterflow. Best when used with organic mulch.
Excelsior (wood fiber) mat	Cover area		Withstands waterflow.
Fiberglass roving	0.5-1 tons	Continuous fibers of straw glass bound together with a non-toxic agent.	Apply with a compressed air ejector. Tack with emulsified asphalt at a rate of 25-35 gal/1,000 sq ft.
<b>Chemical Stabilizers*</b>			
Aerospay	Follow manufacturer's specifications		Not beneficial to plant growth.
Curasol			
Hydroseal			
Terra Tack			
Chisel SOD			
Genesep			
M-145			

\*Refer to Practice No. 6.30, Grass Lined Channels.  
\*Use of trade names does not imply endorsement of product.

**Maintenance**

Inspect all mulches periodically, and after rainstorms to check for soil erosion, displacement or failure. Where erosion is observed, apply additional mulch. If washout occurs, repair the slope grade, reseed and reinstall mulch. Continue inspections until vegetation is firmly established.

**SEEDBED PREPARATION**

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.

2. RIP THE ENTIRE AREA TO 6 INCHES DEPTH.

3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.

4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).

5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.

6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTPACK AFTER SEEDING.

7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.

8. INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE EVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

APPLY:

AGRICULTURAL LIMESTONE - 2 TONS/ACRE  
FERTILIZER - 10-10-10 ANALYSIS AT 800 - 1000 LBS./ACRE  
SUPERPHOSPHATE - 500 LBS./ACRE OF 20% ANALYSIS SUPERPHOSPHATE  
MULCH - 2 TONS SMALL GRAIN STRAW/ACRE  
ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 400 GALLONS/ACRE

**EROSION CONTROL NOTES**

- STABILIZATION AREAS ACCORDING TO THE REQUIREMENTS OF THE NPDES GROUNDCOVER STABILIZATION TIMETABLE (SEE NEW STABILIZATION TIMEFRAMES).
- SILT FENCE TO BE INSTALLED AS SHOWN ON THE PLANS OR AS DEEMED NECESSARY BY VISUAL OBSERVATION.

**SEEDING MAINTENANCE:**

RESEEDING IS NOT FULLY ADEQUATE. RESEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**PERMANENT SEEDING**

Summer - March 1 - August 31  
LIME: MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
Fertilizer: 200 lbs/ac  
Bermudagrass (hulled) 35 lbs/ac  
Centipede 10 lbs/ac  
Centaury/Browntop Millet/Grain 10 lbs/ac  
Strew Mulch 2 tons/ac

Winter - September 1 - February 28  
LIME: MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
Fertilizer: 200 lbs/ac  
Bermudagrass (unhulled) 35 lbs/ac  
Tall Fescue 50 lbs/ac  
Annual Ryegrass 10 lbs/ac  
Strew Mulch 2 tons/ac

**TEMPORARY SEEDING**

Summer - March 1 - August 31  
LIME: MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
10-10-10 Fertilizer 700 lbs/ac  
Browntop Millet 40 lbs/ac  
Strew Mulch 2 tons/ac

Winter - September 1 - February 28  
LIME: MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
10-10-10 Fertilizer 700 lbs/ac  
Oats 50 lbs/ac  
Rye Grain 20 lbs/ac  
Strew Mulch 2 tons/ac

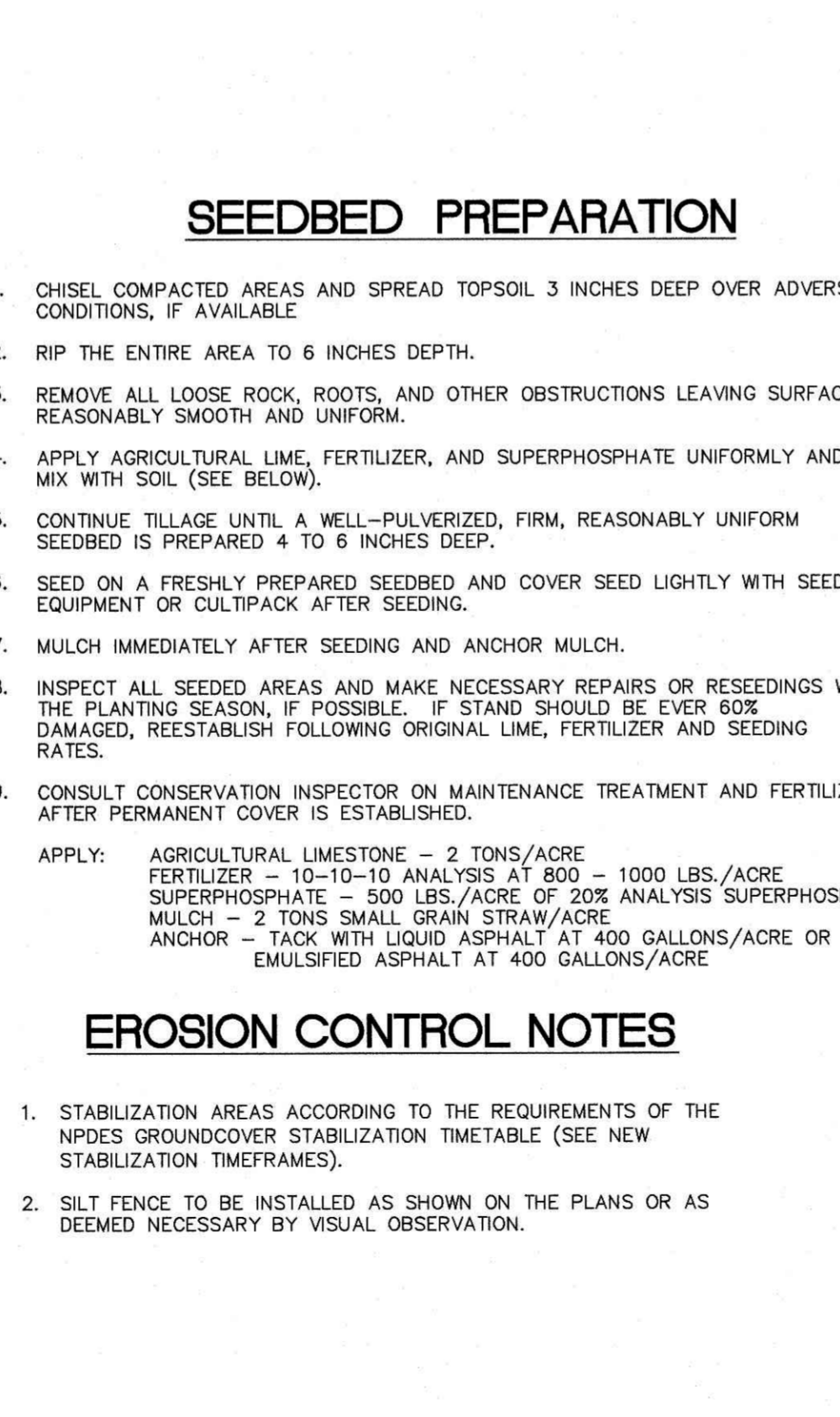
**NOTES:**

- Mulch will be double if crimping is the method used.
- Any variation from these specs must have approval of the Stormwater Program Manager or his/her duly authorized agent.

**CITY OF WILSON, N.C.**

**SEEDING SPECIFICATIONS**

SCALE: 1" = 10' (VERTICAL)  
DATE: 03/14/2023  
SHEET: 1 OF 1



**GREEN ENGINEERING**  
WATER, WASTEWATER, SURVEYING, PLANNING, PROJECT MANAGEMENT

NORTH CAROLINA FIRM LICENSE: P-0115  
303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

**PROFESSIONAL ENGINEER**  
SEAL 022594  
LEO GREEN III  
3-12-2023

**PICKLEBALL/TENNIS COURT FACILITY**  
**J. BURT GILLETTE ATHLETIC COMPLEX**

CITY OF WILSON NORTH CAROLINA

FOR PLAN REVIEW ONLY

REVISION	DATE	BY	DATE: March 14, 2023

**GRAPHIC SCALE**

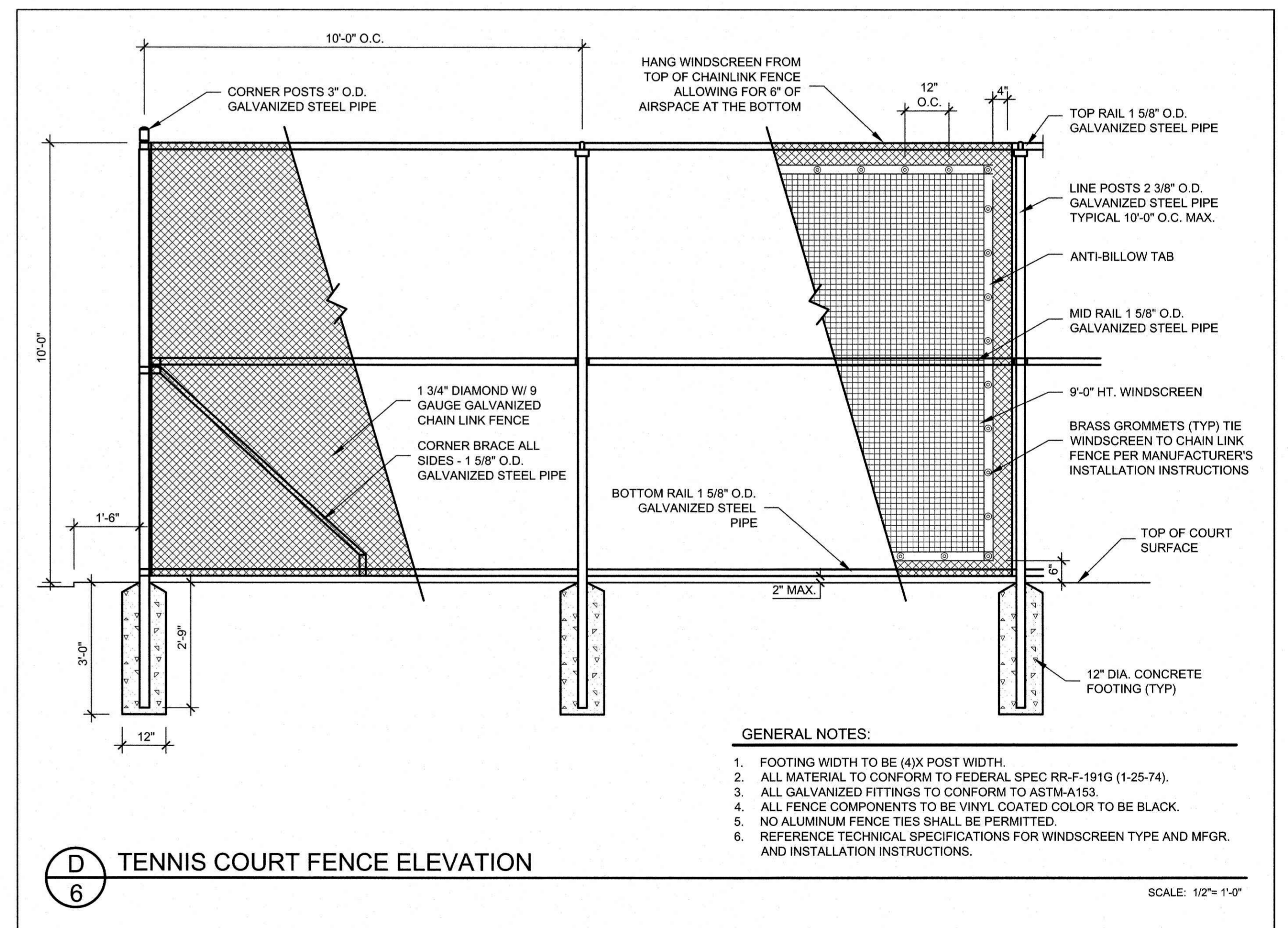
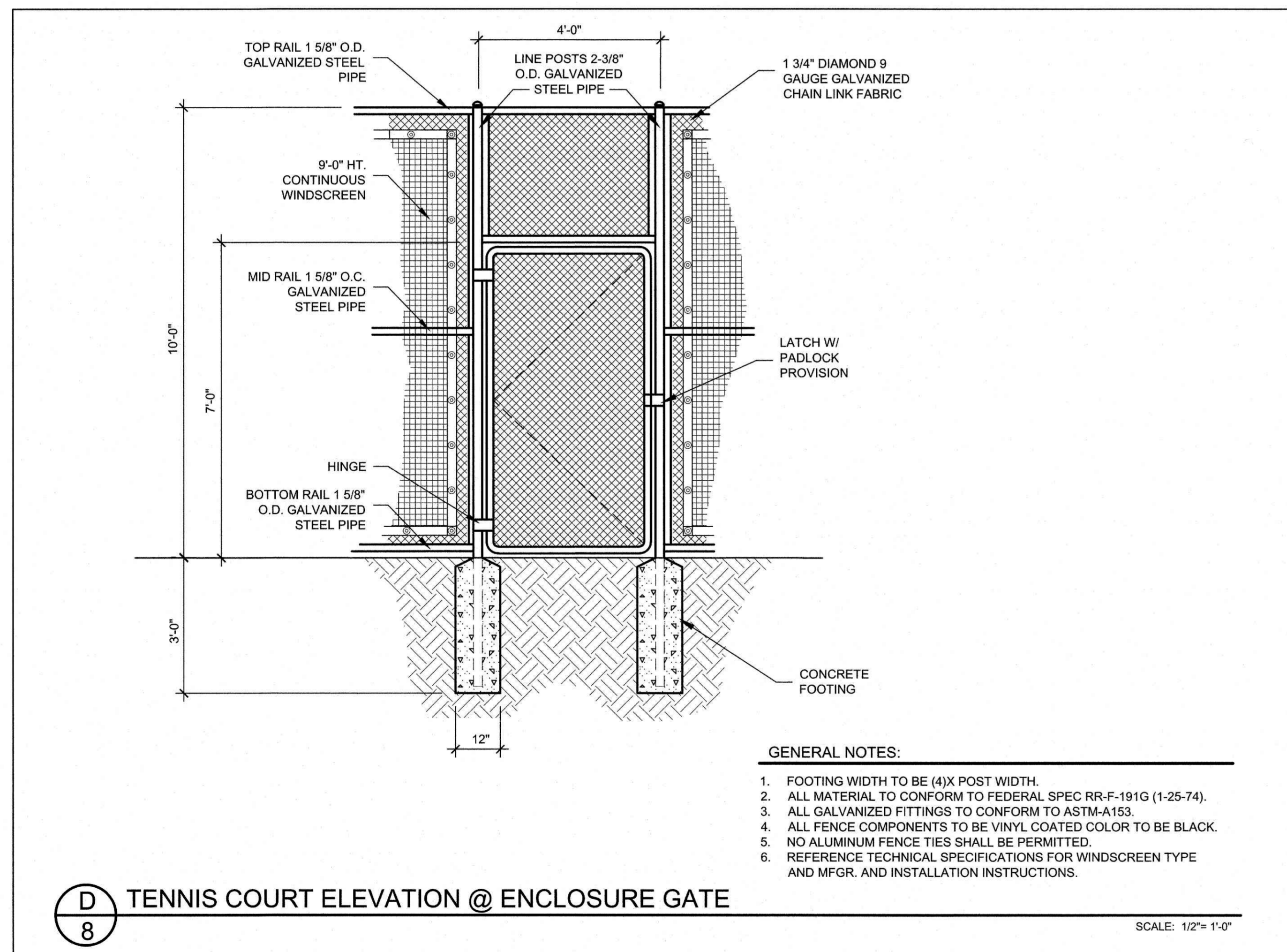
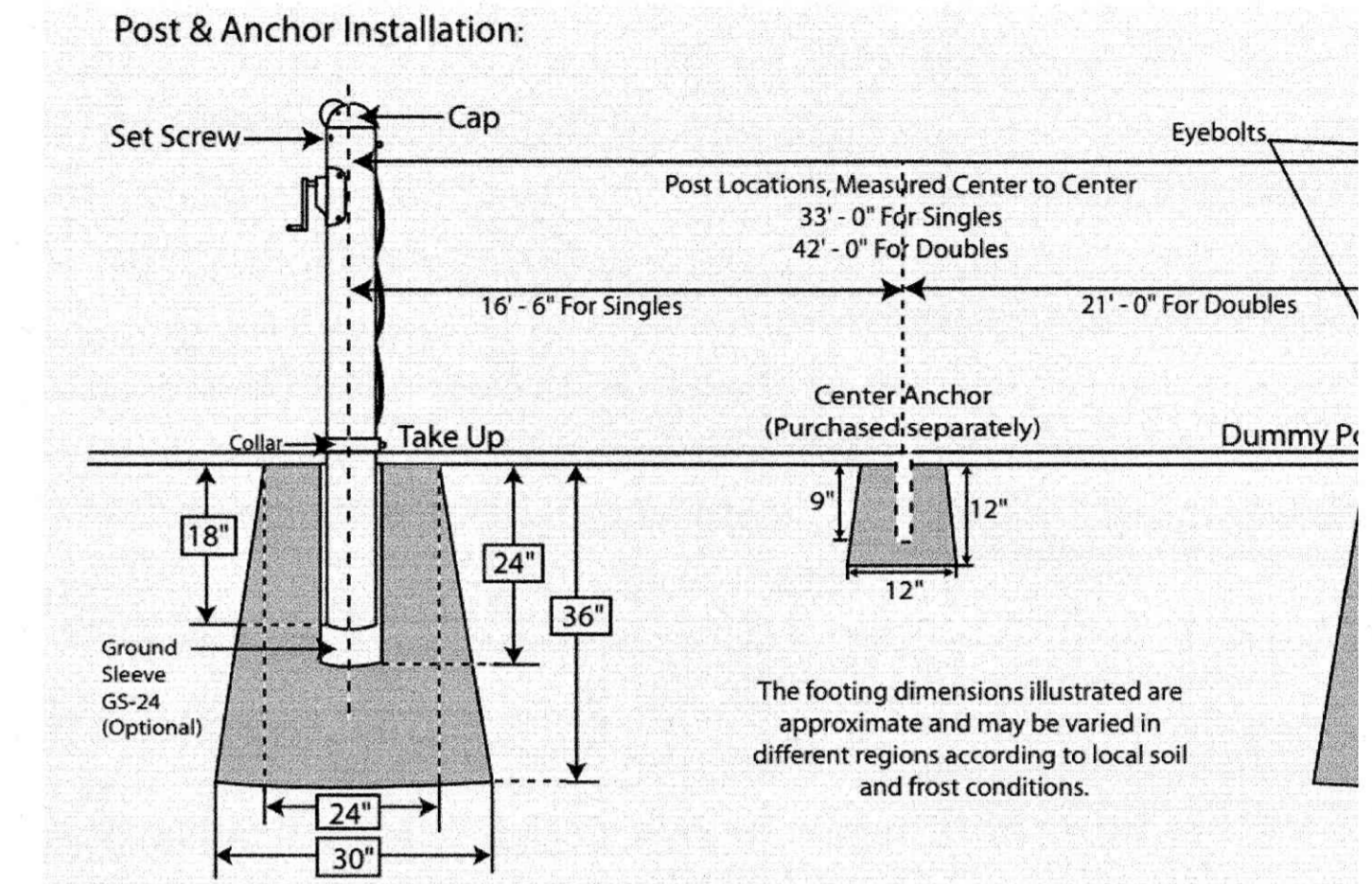
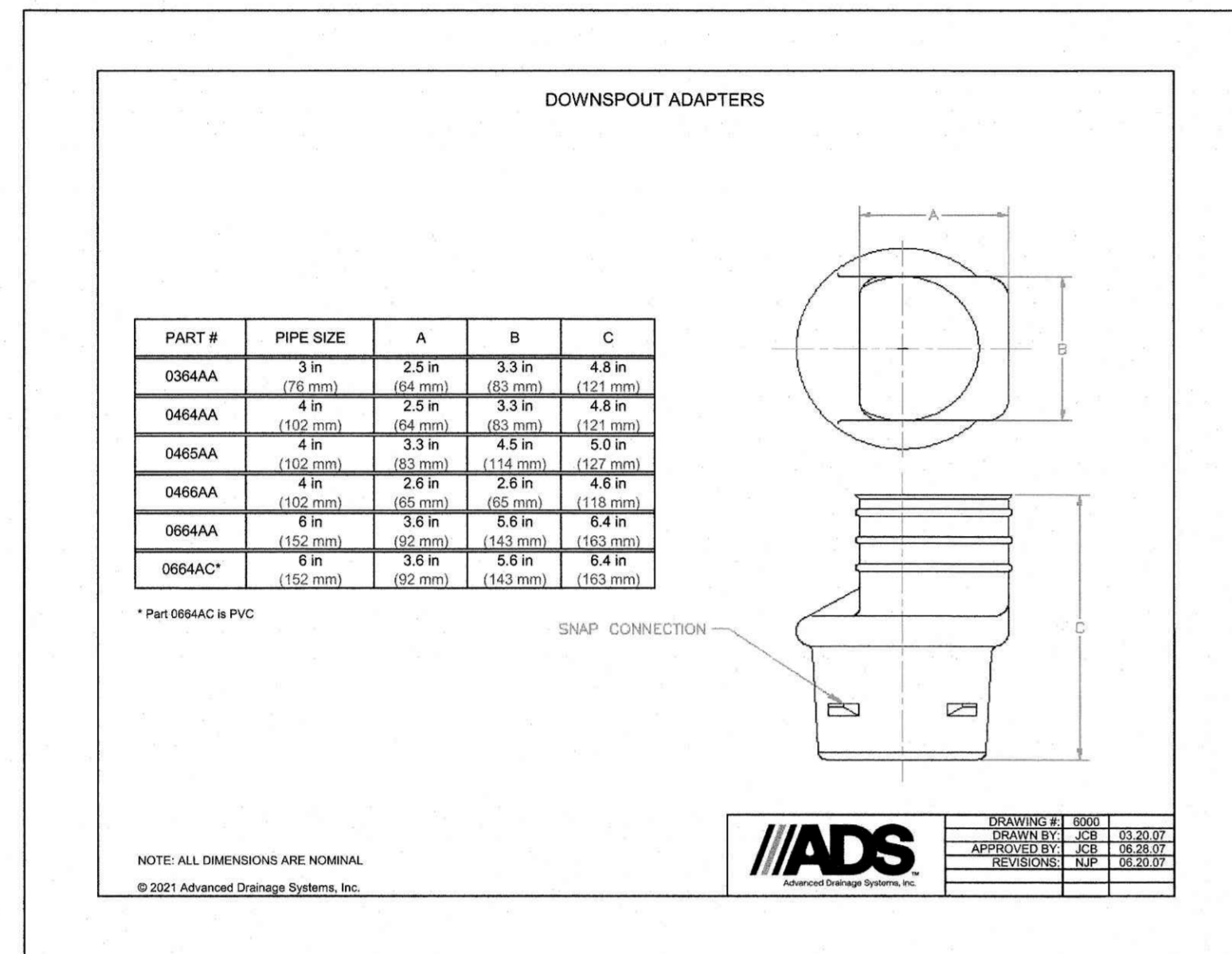
**AS SHOWN**

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FIELD BOOK: XXXXX	CADFILE: 21194-CV.dwg
ASCII FILE:	LAST MODIFIED: 14-Mar-23
MODIFIED BY: JM	

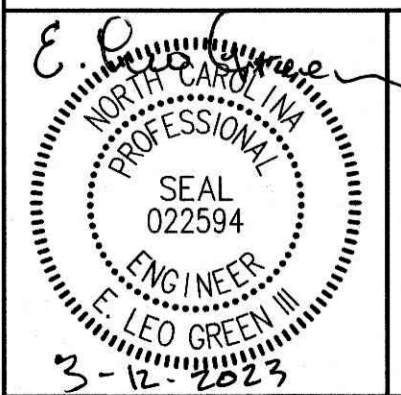
**SHEET NO. 16 OF 17**

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 303 GOLDSBORO STREET EAST, P.O. BOX 609 WILSON, N.C. 27893  
 TEL (252) 237-5365 FAX (252) 243-7489 OFFICE@GREENENG.COM

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 CITY OF WILSON  
 NORTH CAROLINA

**DETAILS**

REVISION	DATE	BY	DATE: March 14, 2023

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**GRAPHIC SCALE**

**AS SHOWN**

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SHEET NO. **17** OF **17**

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