

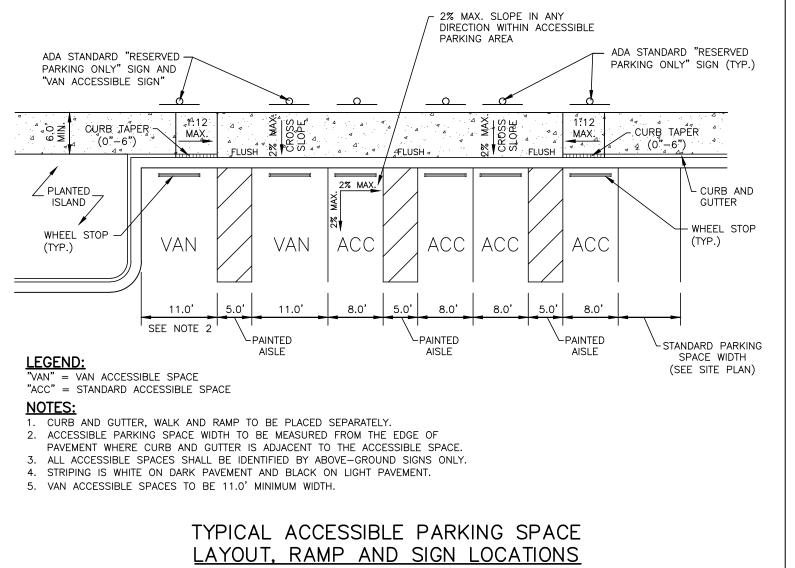
*ADDITIONAL WIDTH MAY BE REQUIRED WHERE THE AISLE SERVES AS

PARKING STALLS ABUTTING SIDEWALK AND PLANTING STRIPS SHALL PROVIDE

OR SERVES TWO-WAY TRAFFIC.

A PRINCIPAL VEHICULAR ACCESS TO ON-SITE USES OR STRUCTURES

ADDITIONAL CLEARANCE BETWEEN THE STALL AND THE SIDEWALK OR PLANTING

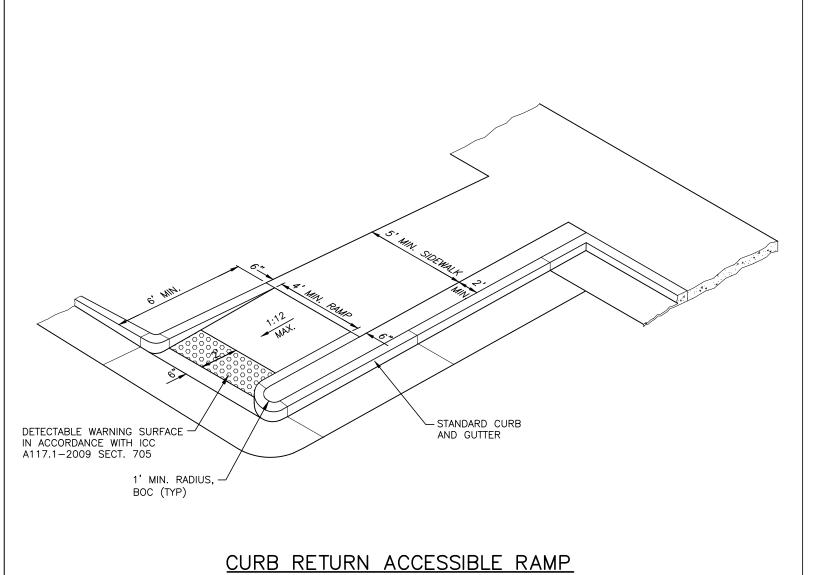


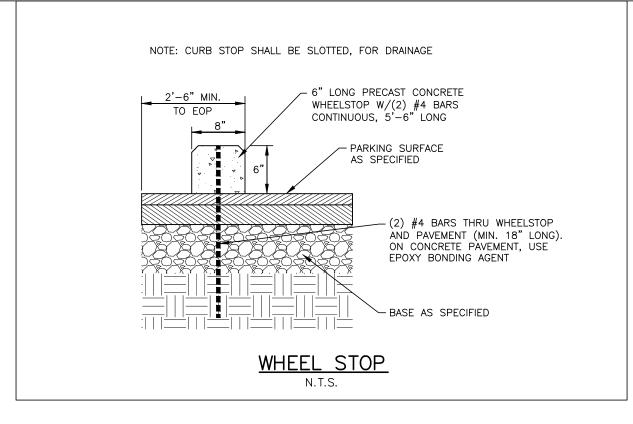
REVISIONS DET.NO

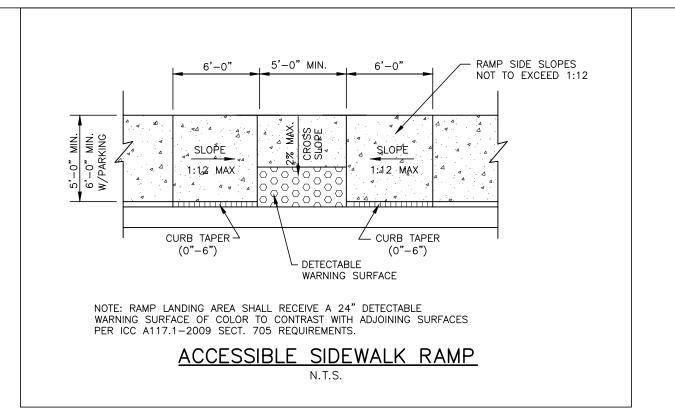
NO DATE BY

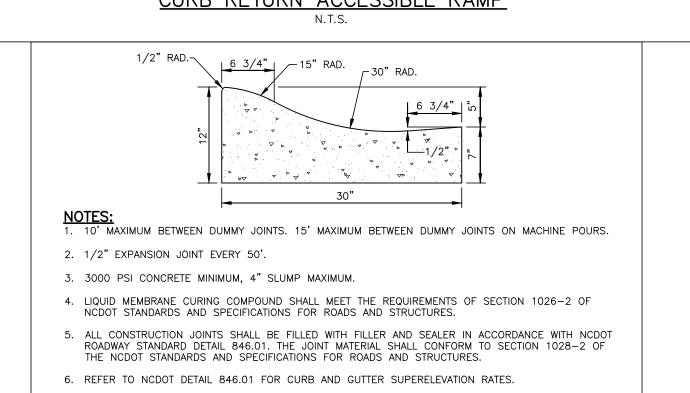
LOT LAYOUT

SCHEDULE

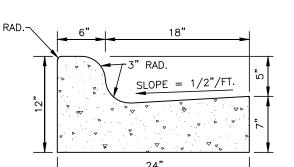




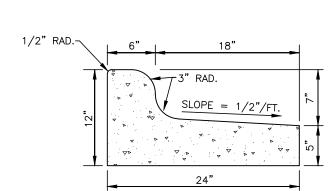




30" ROLLED CURB AND GUTTER



STANDARD 24" CURB AND GUTTER



24" SPILL CURB AND GUTTER

. 10' MAXIMUM BETWEEN DUMMY JOINTS. 15' MAXIMUM BETWEEN DUMMY JOINTS ON MACHINE POURS.

2. 1/2" EXPANSION JOINT EVERY 50'. 3. 3000 PSI CONCRETE MINIMUM, 4" SLUMP MAXIMUM.

4. LIQUID MEMBRANE CURING COMPOUND SHALL MEET THE REQUIREMENTS OF SECTION 1026-2 OF NCDOT STANDARDS AND SPECIFICATIONS FOR ROADS AND STRUCTURES.

5. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH FILLER AND SEALER IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DETAIL 846.01. THE JOINT MATERIAL SHALL CONFORM TO SECTION 1028-2 OF THE NCDOT STANDARDS AND SPECIFICATIONS FOR ROADS AND STRUCTURES.

6. REFER TO NCDOT DETAIL 846.01 FOR CURB AND GUTTER SUPERELEVATION RATES.

24" CURB AND GUTTER

THE PAVEMENT SECTIONS SHOWN ARE PRELIMINARY. THE CONTRACTOR SHALL VERIFY PAVEMENT DESIGN WITH THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

> ASPHALT SURFACE COURSE (SF-9.5A) — ASPHALT SURFACE COURSE (I-19.0B) CRUSHED STONE BASE COMPACTED SUBGRADE SEE SPECIFICATIONS FOR REQUIRED MATERIALS.

SUBGRADE COMPACTED TO A MINIMUM 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) REFER TO SOILS REPORT IF AVAILABLE.

ON-SITE ASPHALT HEAVY DUTY TRAFFIC PAVEMENT DETAIL

THE PAVEMENT SECTIONS SHOWN ARE PRELIMINARY. THE CONTRACTOR SHALL VERIFY PAVEMENT DESIGN WITH THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

> ASPHALT SURFACE COURSE (SF-9.5A) — ASPHALT SURFACE COURSE (I-19.0B) CRUSHED STONE BASE / COMPACTED SUBGRADE SEE SPECIFICATIONS FOR REQUIRED MATERIALS.

SUBGRADE COMPACTED TO A MINIMUM 98% STANDARD

PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) REFER TO SOILS REPORT IF AVAILABLE. ON-SITE ASPHALT PARKING PAVEMENT DETAIL



621 Hillsborough Street Suite 500 Raleigh, NC 27603 phone 919. 361. 5000

fax 919. 361. 2269

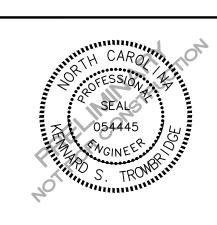
license number: C-0293, C-187

www.mcadamsco.com

CLIENT UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

DEPARTMENT OF ATHLETICS 220 FINLEY GOLF COURSE ROAD CHAPEL HILL, NORTH CAROLINA 27517





REVISIONS

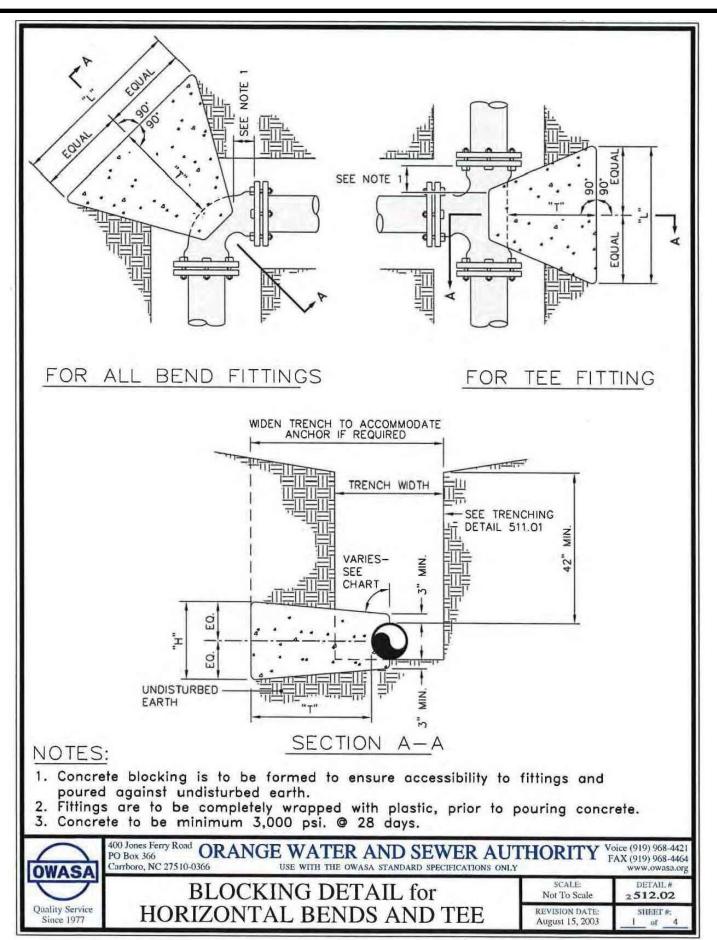
NO. DATE

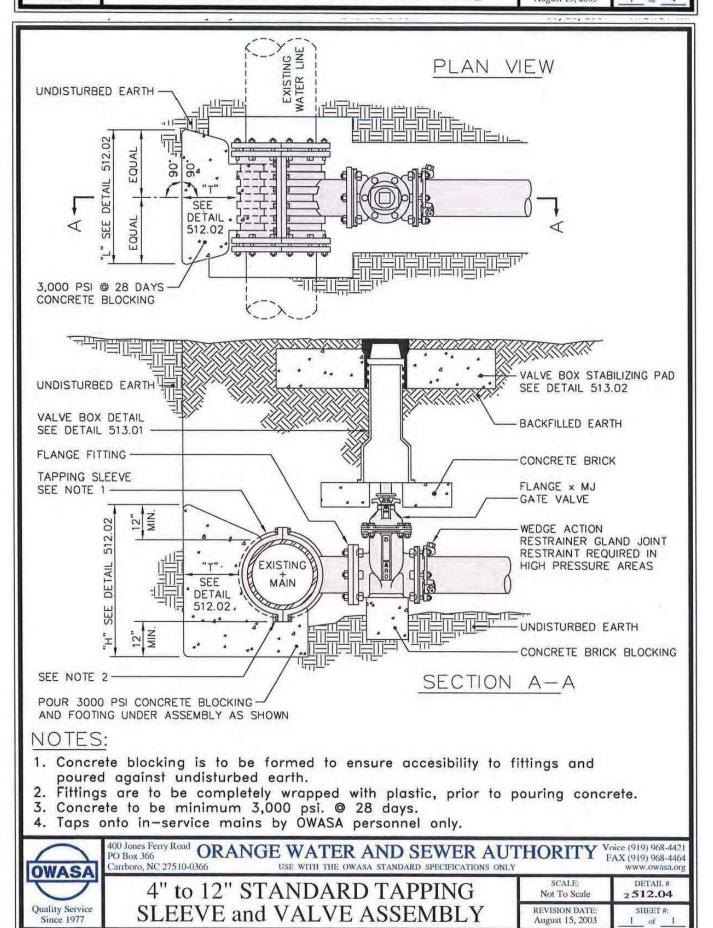
PLAN INFORMATION

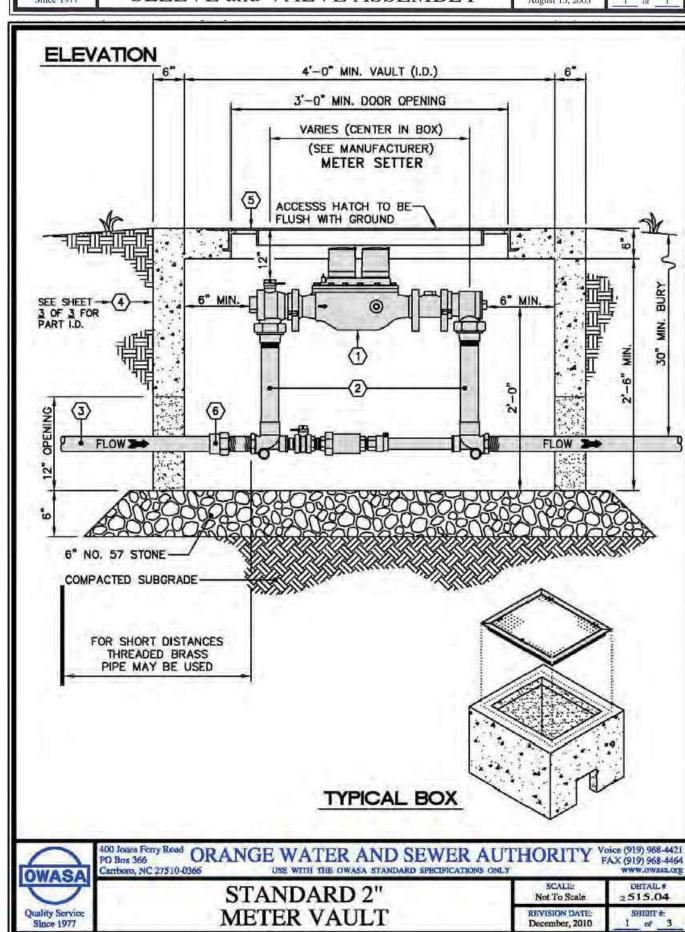
PROJECT NO. UNC-22005 FILENAME CHECKED BY KST DRAWN BY SME

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

SITE DETAILS







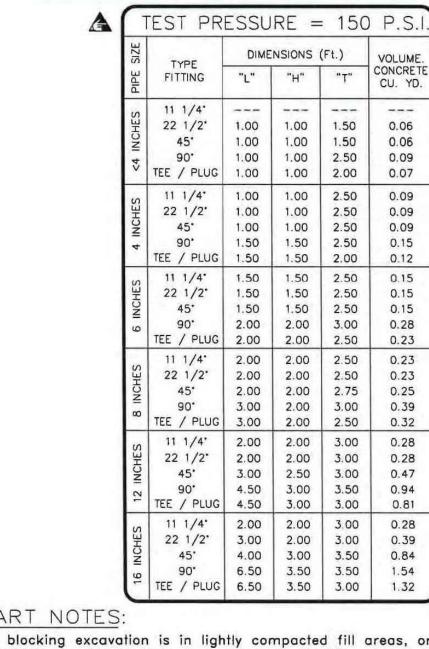


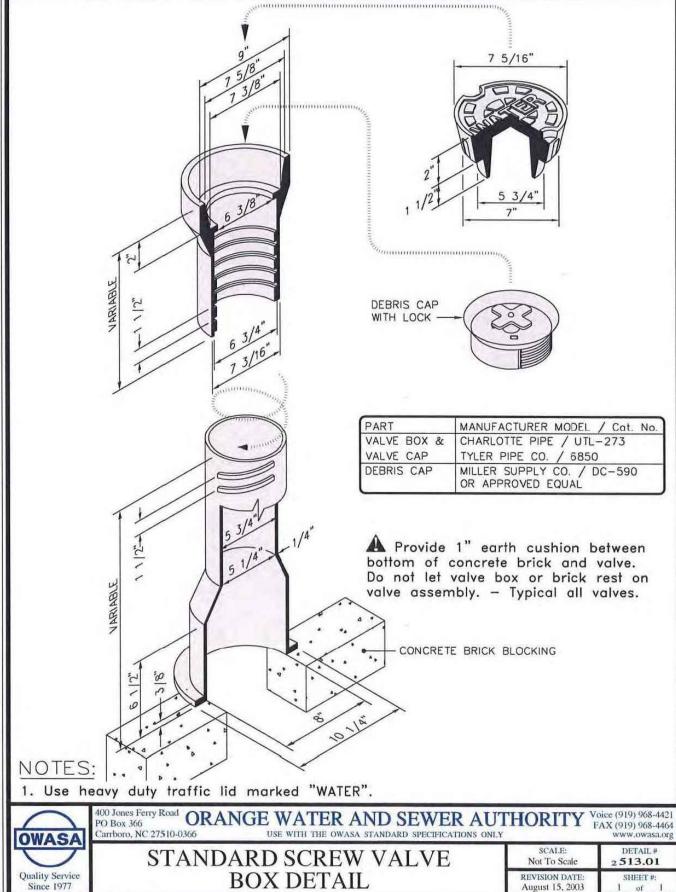
CHART NOTES

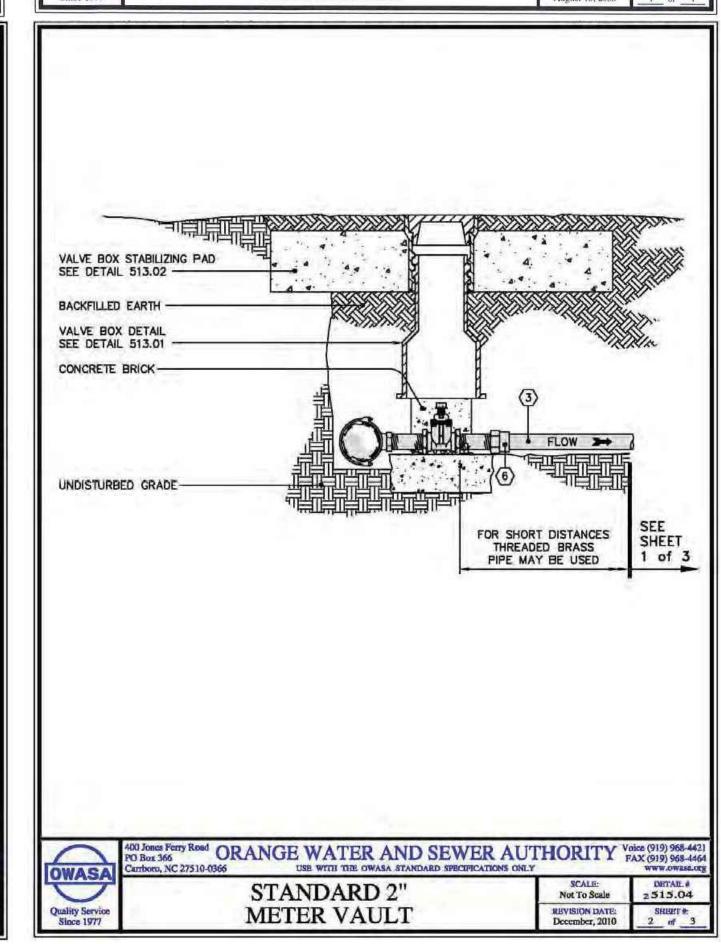
b. Soil bearing pressure = 2000 psf

c. Velocity of flow = 15 fps

- . If blocking excavation is in lightly compacted fill areas, or in areas where boulders or stumps have been removed, blocking size must be re-sized for the specific location/circumstance by a NC licensed Professional Engineer. Blocking sizes shown in these tables assume the following:
 a. Blocking is constructed in residual soils as shown in detail
- . This detail not applicable to reducing bends. 4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking sizes computation. Therefore, blocking size is conservative.

OWASA	400 Jones Ferry Road ORANGE WATER AND SEWER AU PO Box 366 Carrboro, NC 27510-0366 USE WITH THE OWASA STANDARD SPECIFICATIONS ON		Voice (919) 968-442 FAX (919) 968-446 www.owasa.or
OWASA	BLOCKING DETAIL for	SCALE: Not To Scale	DETAIL# 2512.02
Quality Service Since 1977	HORIZONTAL BENDS AND TEE	REVISION DATE: August 15, 2003	SHEET #: 2 of 4





SIZE	TYPE	DIME	NSIONS	(Ft.)	VOLUME.
PIPE	FITTING	"L"	"н"	"T"	CONCRETE CU. YD.
S	11 1/4	1.00	1.00	1.00	0.04
INCHES	22 1/2*	1.00	1.00	1.50	0.06
SC	45*	1.00	1.00	1.50	0.06
4	90.	1.50	1.50	2.50	0.15
V	TEE / PLUG	1.50	1.50	2.00	0.12
S	11 1/4"	1.00	1.00	2.50	0.09
INCHES	22 1/2"	1.00	1.00	2.50	0.09
NC	45°	1.50	1.50	2.50	0.15
4	90.	1.50	1.50	2.50	0.15
	TEE / PLUG	1.50	1,50	2.00	0.12
S	11 1/4	1.50	1.50	2.50	0.15
H	22 1/2	1.50	1.50	2.50	0.15
INCHES	45*	1.50	1.50	2.50	0.15
9	90.	2.50	2.00	3.00	0.33
	TEE / PLUG	2.50	2.00	2.50	0.28
10	11 1/4	2.00	2.00	2.50	0.23
빞	22 1/2	2.00	2.00	2.50	0.23
INCHES	45*	2.00	2.00	2.50	0.23
00	90.	4.00	2.00	3.00	0.50
n (36/11)	TEE / PLUG	4.00	2.00	2.50	0.42
S	11 1/4	2.00	2.00	3.00	0.28
INCHES	22 1/2	3.00	2.00	3.00	0.39
N	45*	4.00	2.50	3.00	0.61
12	90.	5,50	3.00	3.50	1.13
	TEE / PLUG	5.50	3.00	3.00	0.97
S	11 1/4	2.00	2.00	3.00	0.28
KE	22 1/2*	4.00	2.00	3.00	0.50
INCHES	45*	5.50	3.00	3.50	1.13
16	90"	7.50	4.00	3.50	2.01
-	TEE / PLUG	7.50	4.00	3.00	1.72

A TEST DESCRIBE - 200 DCI

CHART NOTES:

- If blocking excavation is in lightly compacted fill areas, or in areas where boulders or stumps have been removed, blocking size must be re—sized for the
- specific location/circumstance by a NC licensed Professional Engineer.

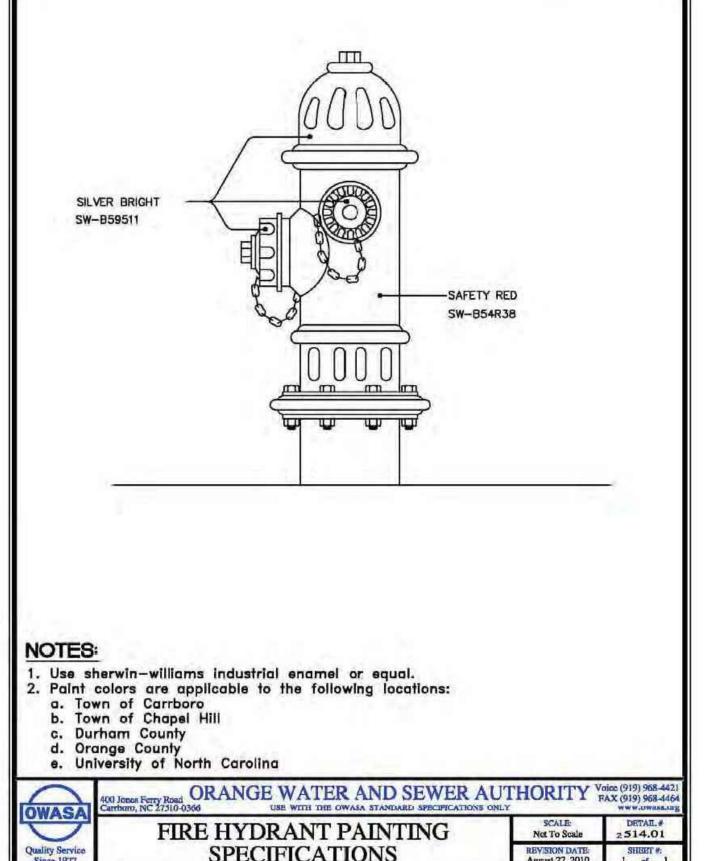
 2. Blocking sizes shown in these tables assume the following:

 a. Blocking is constructed in residual soils as shown in detail

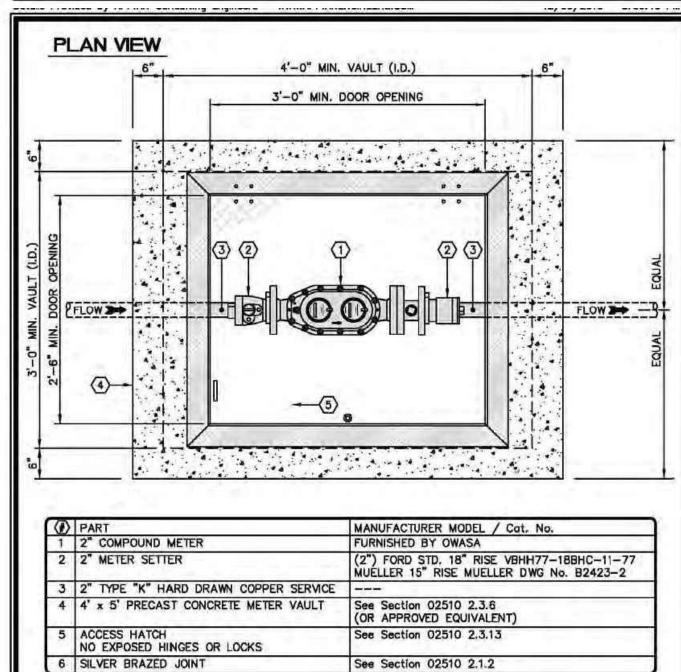
 b. Soil bearing pressure = 2000 psf
- c. Velocity of flow = 15 fps 3. This detail not applicable to reducing bends. 4. Neither the weight of the concrete blocking nor friction between concrete blocking

	rvative.	into blocking	SIZES CO	mputation.	Therefore,	blocking	size is
	400 Jones Ferry Road PO Box 366	ORANGE WA	ATER A	VD SEWER	AUTHO	RITY Vo	ice (919) 968-4421 AX (919) 968-4464
OWACA	Carrboro, NC 27510-036	6 USE WI	TH THE OWASA S	STANDARD SPECIFICATI	ONS ONLY		www.owasa.org

OWASA	400 Jones Ferry Road ORANGE WATER AND SEWER AU PO Box 366 Carrboro, NC 27510-0366 USE WITH THE OWASA STANDARD SPECIFICATIONS ONI		oice (919) 968-44 AX (919) 968-44 www.owasa.c
	BLOCKING DETAIL for	SCALE: Not To Scale	DETAIL# 2512.02
Quality Service Since 1977	HORIZONTAL BENDS AND TEE	REVISION DATE: August 15, 2003	SHEET#:



OWASA	FIRE HYDRANT PAINTING	SCALE: Net To Scale	2514.0
Quality Service Since 1977	SPECIFICATIONS	REVISION DATE: August 27, 2010	SHEET I
	are the second s	,,	
PLAN	VIEW	1174, 234, 231, 13.	
PLAN	VIEW 4'-0" MIN. VAULT (I.D.)	6"	70.71



	PART	MANUFACTURER MODEL / Cat. No.
1	2" COMPOUND METER	FURNISHED BY OWASA
2	2" METER SETTER	(2") FORD STD. 18" RISE VBHH77-18BHC-11-77 MUELLER 15" RISE MUELLER DWG No. B2423-2
3	2" TYPE "K" HARD DRAWN COPPER SERVICE	
4	4' x 5' PRECAST CONCRETE METER VAULT	See Section 02510 2.3.6 (OR APPROVED EQUIVALENT)
5	ACCESS HATCH NO EXPOSED HINGES OR LOCKS	See Section 02510 2.3.13
6	SILVER BRAZED JOINT	See Section 02510 2.1.2

N	OTES:						
1.	Ensure	positive	surface	arade	away	from	vault.

	positive sarriage grade and/ from reality		
WASA	400 Jones Ferry Road ORANGE WATER AND SEWER PO Box 366 Carrboro, NC 27510-0366 USE WITH THE OWASA STANDARD SPECIFICATION		oice FAX
UASA	STANDARD 2"	SCALE: Not To Scale	
Since 1977	METER VAULT	REVISION DATE: December, 2010	T

SIZE	TYPE	DIME	NSIONS	(Ft.)	VOLUME.
PIPE	FITTING	"L"	"H"	"T"	CONCRET
S	11 1/4	1.00	1.00	1.00	0.04
INCHES	22 1/2*	1.00	1.00	1.50	0.06
N N	45*	1.00	1.00	1.50	0.06
4	90.	1.50	1.50	2.50	0.15
•	TEE / PLUG	1.50	1.50	2.00	0.12
w	11 1/4	1.00	1.00	2.50	0.09
빞	22 1/2	1.00	1.00	2.50	0.09
4 INCHES	45*	1.50	1.50	2.50	0.15
4	90.	2.00	2.00	2.50	0.23
	TEE / PLUG	2.00	2.00	2.00	0.19
S	11 1/4	1.50	1.50	2.50	0.15
H	22 1/2	1.50	1.50	2.50	0.15
INCHES	45*	2.00	1.50	2.50	0.19
9	90'	3.00	2.00	3.00	0.39
	TEE / PLUG	3.00	2.00	2.50	0.32
S	11 1/4	2.00	2.00	2.50	0.23
포	22 1/2	2.00	2.00	2.50	0.23
INCHES	45*	2.50	2.00	2.50	0.28
00	90"	4.00	2.50	3.00	0.61
	TEE / PLUG	4.00	2.50	2.50	0.51
S	11 1/4"	2.00	2.00	3.00	0.28
INCHES	22 1/2	3.50	2.00	3.00	0.44
ž	45"	4.50	2.75	3.00	0.74
12	90°	6.00	3.50 3.50	3.50	1.43
ES	11 1/4"	2.50 4.00	2.00 2.50	3.00	0.33
INCHES	22 1/2°	6.00	3.50	3.50	0.61
Z	90'	8.00	4.50	4.00	2.74
16	TEE / PLUG	8.00	4.50	3.50	2.40

CHART NOTES:

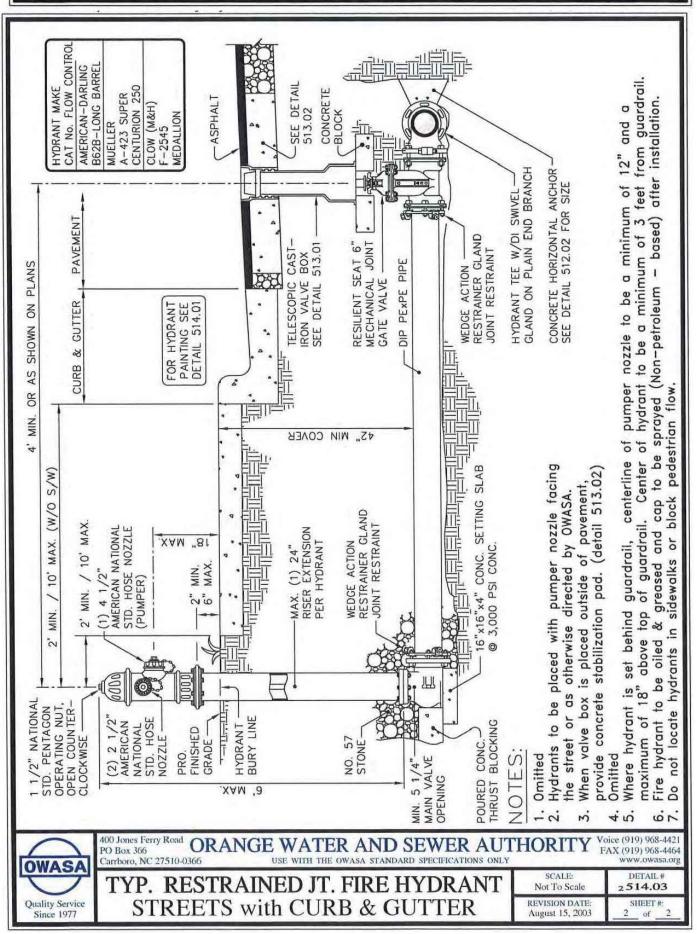
- 1. If blocking excavation is in lightly compacted fill areas, or in areas where boulders or stumps have been removed, blocking size must be re—sized for the
- specific location/circumstance by a NC licensed Professional Engineer.

 Blocking sizes shown in these tables assume the following:

 a. Blocking is constructed in residual soils as shown in detail

 b. Soil bearing pressure = 2000 psf
- c. Velocity of flow = 15 fps . This detail not applicable to reducing bends.
- . Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking sizes computation. Therefore, blocking size is conservative.

OWASA	400 Jones Ferry Road ORANGE WATER AND SEWER AU PO Box 366 Carrboro, NC 27510-0366 USE WITH THE OWASA STANDARD SPECIFICATIONS ONLY		oice (919) 968-4421 FAX (919) 968-4464 www.owasa.org
	BLOCKING DETAIL for	SCALE: Not To Scale	DETAIL# 2512.02
Quality Service Since 1977	HORIZONTAL BENDS AND TEE	REVISION DATE: August 15, 2003	SHEET#: 4 of 4





The John R. McAdams Company, Inc. 621 Hillsborough Street Suite 500 Raleigh, NC 27603

phone 919. 361. 5000

fax 919. 361. 2269

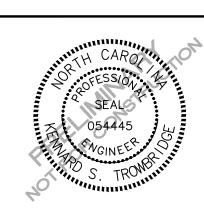
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL DEPARTMENT OF ATHLETICS 220 FINLEY GOLF COURSE ROAD





REVISIONS

NO. DATE

PLAN INFORMATION

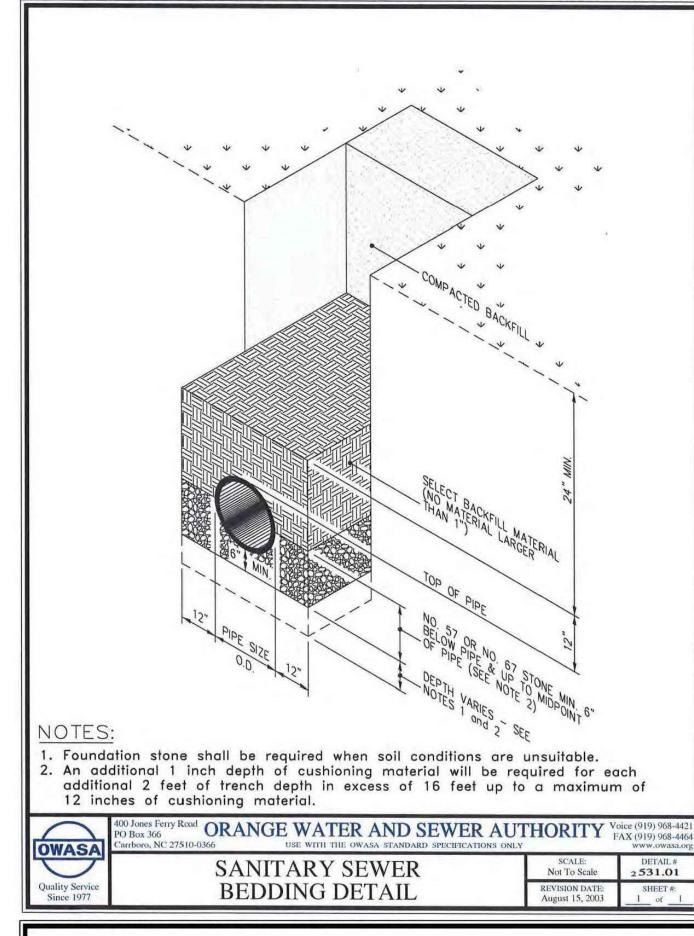
PROJECT NO. UNC-22005 FILENAME CHECKED BY DRAWN BY

DATE

SHEET

WATER DETAILS

C8.01



PART MANUFACTURER MODEL / Cat. No.
SLEEVE BOOTS KOR-N-SEAL or PSX

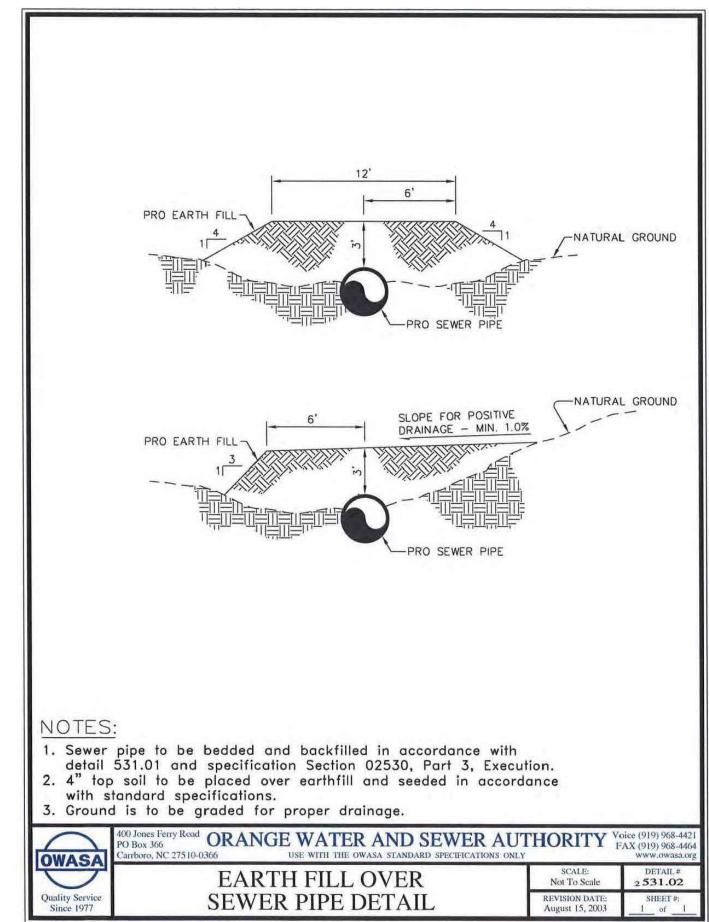
Concrete strength to be 4,000 PSI minimum.
 Pipes will be grouted inside and out.
 Joints will have mastic joint sealer and be parged inside and out with mortar.
 Reinforcement design to conform to the requirements of ASTM C478.

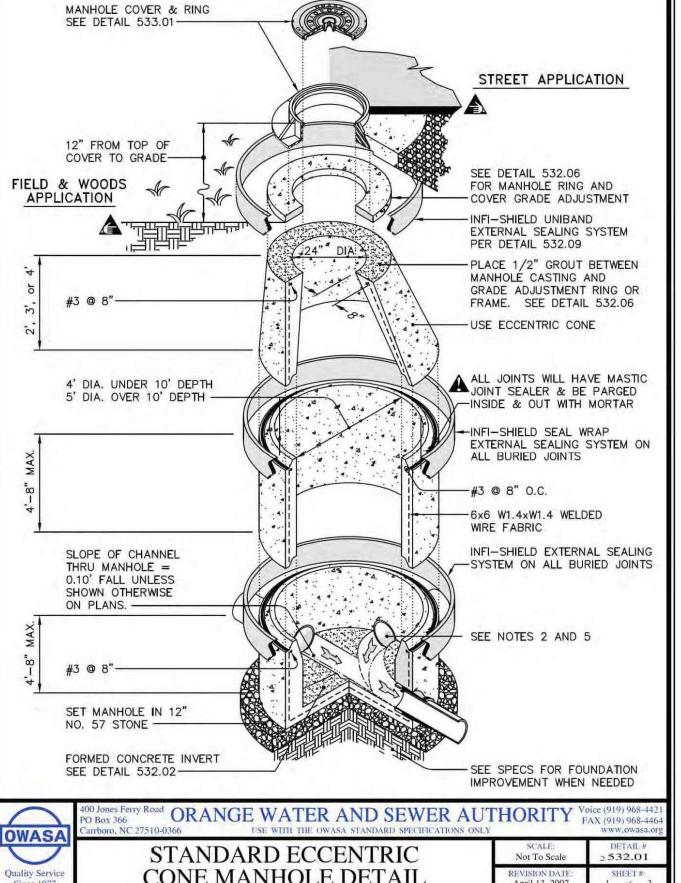
STANDARD ECCENTRIC

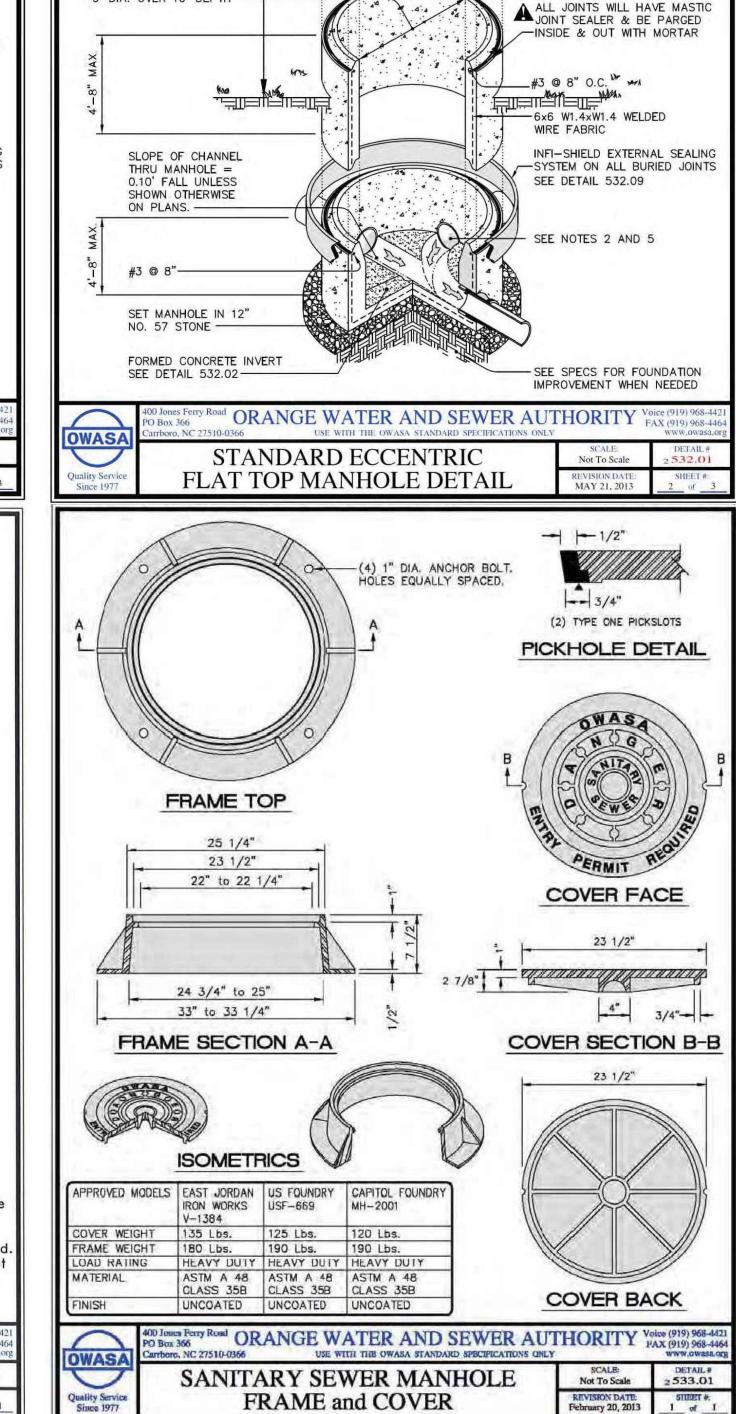
MANHOLE DETAIL

YROAD ORANGE WATER AND SEWER AUTHORITY

SEE NOTE 2







MANHOLE COVER & RING

SEE DETAIL 533.01

PLACE 1/2" GROUT BETWEEN _

SEE DETAIL 532.06

MANHOLÉ CASTING AND GRADE ADJUSTMENT RING OR FRAME

12" MIN. FROM TOP OF

COVER TO GRADE

FIELD & WOODS

-SEE DETAIL 532.06 FOR MANHOLE

RING AND COVER GRADE ADJUSTMENT

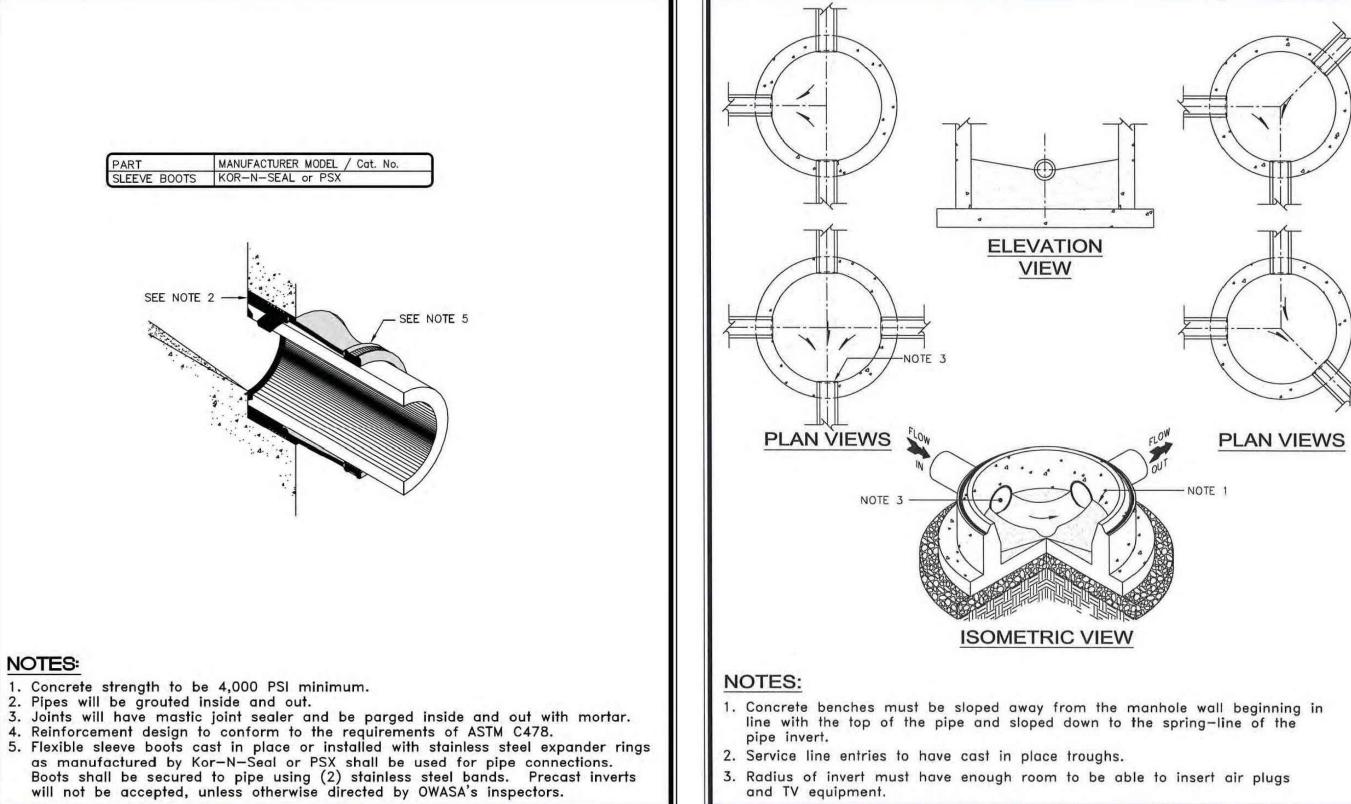
-UNI-HOIST MODEL NUS102S-SS

DURING FLAT TOP MANUFACTURING

PERMANENT SLEEVE SYSTEM TO BE FLUSH FLOOR MOUNTED

USE ECCENTRIC FLAT TOP

APPLICATION



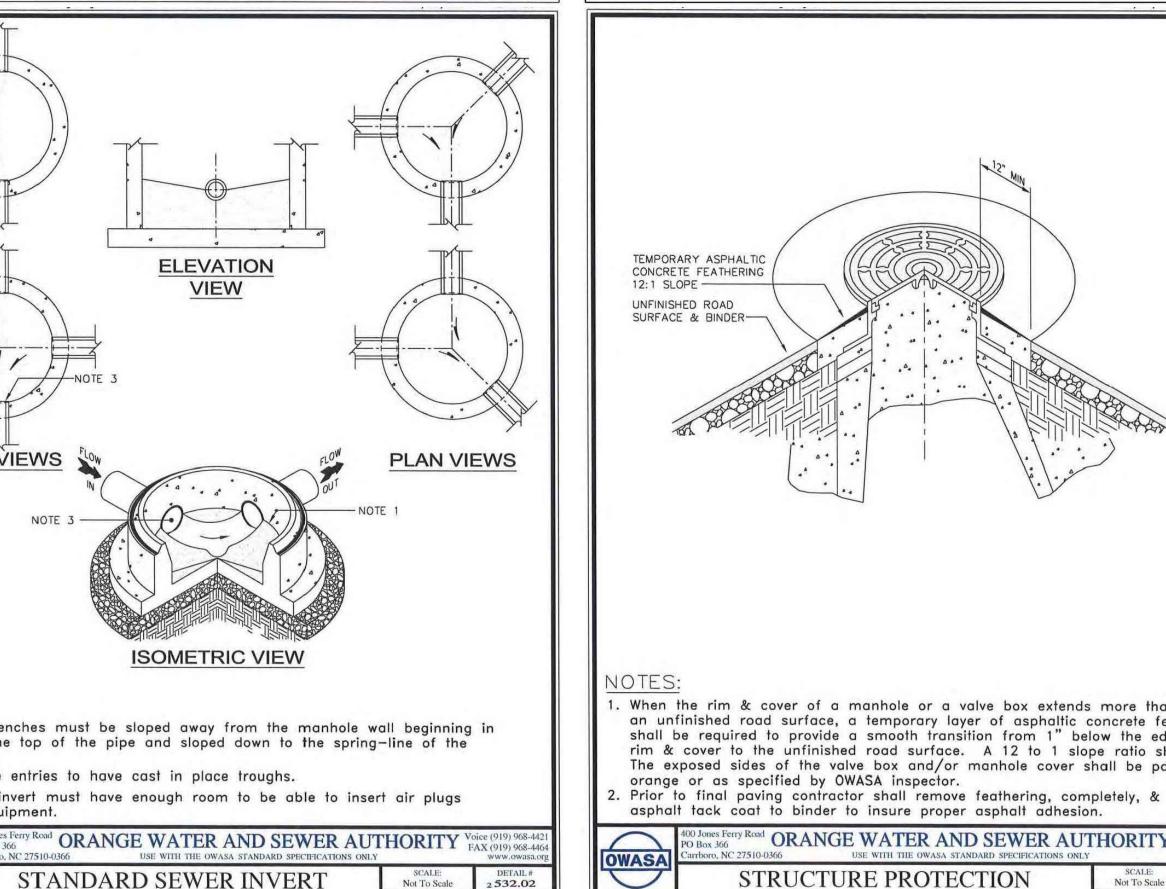
STANDARD SEWER INVERT

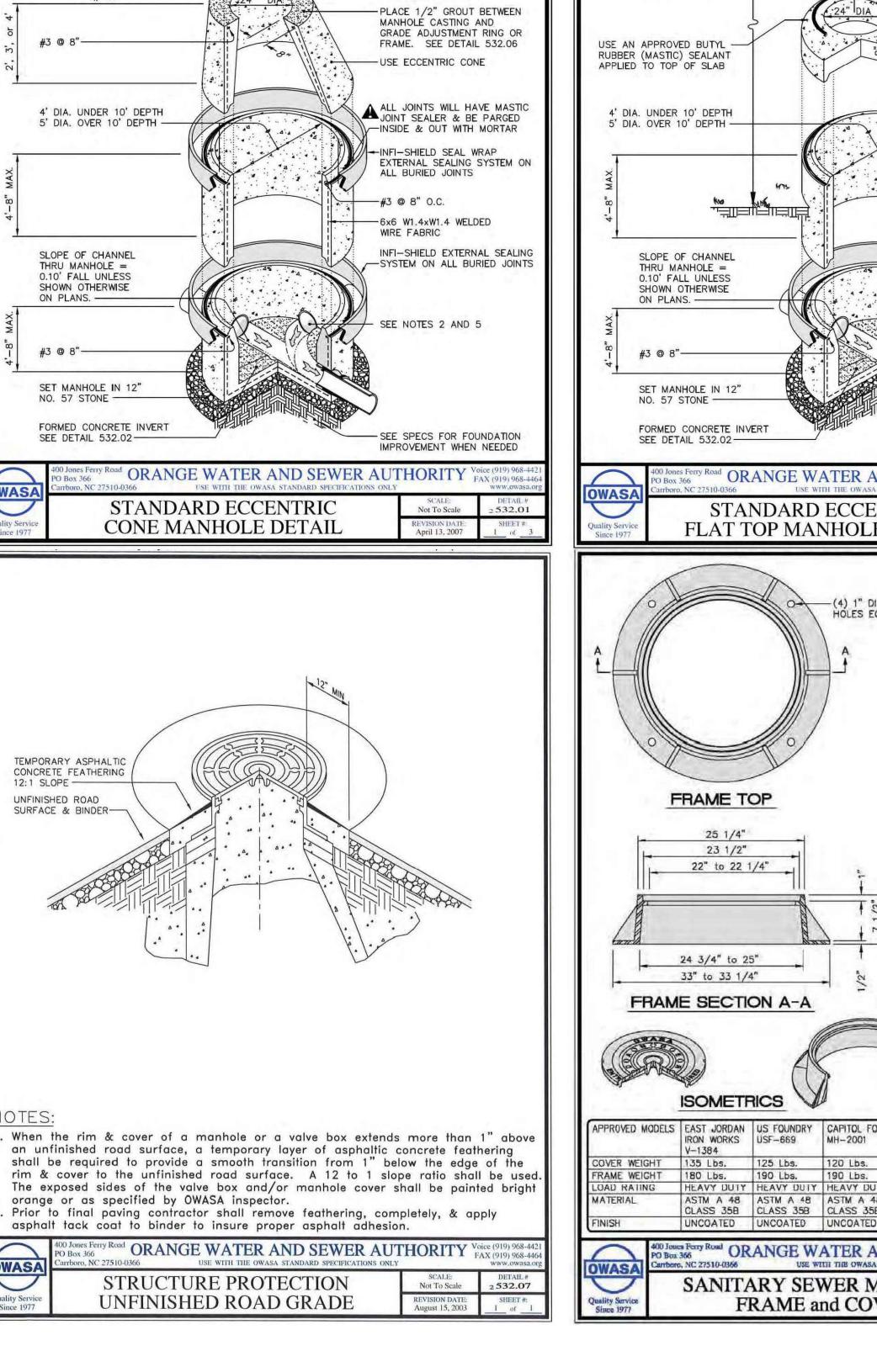
PLANS FOR MANHOLE

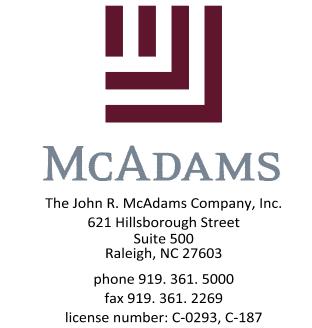
Not To Scale

and TV equipment.

OWASA







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UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL DEPARTMENT OF ATHLETICS 220 FINLEY GOLF COURSE ROAD

CLIENT





REVISIONS

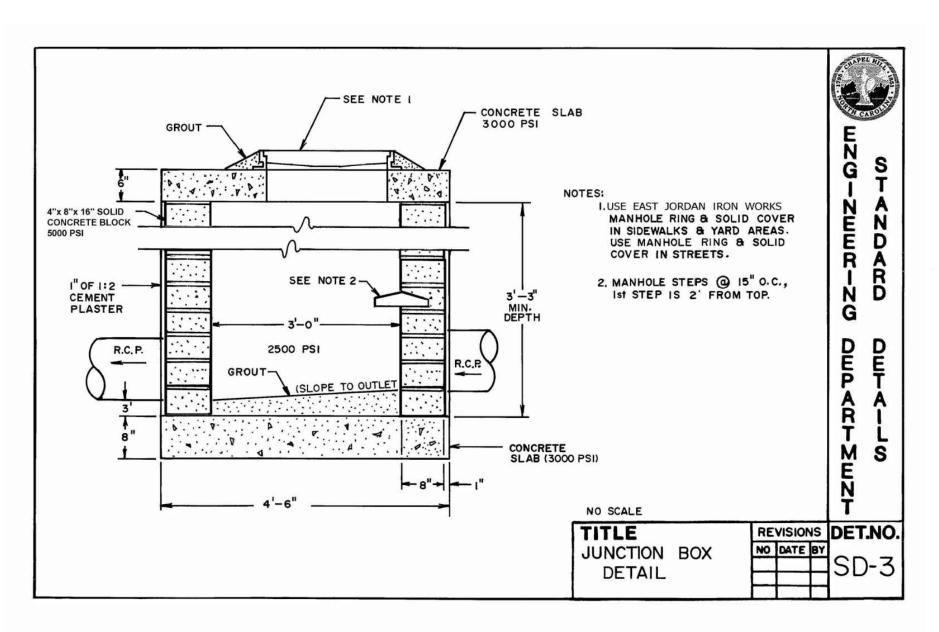
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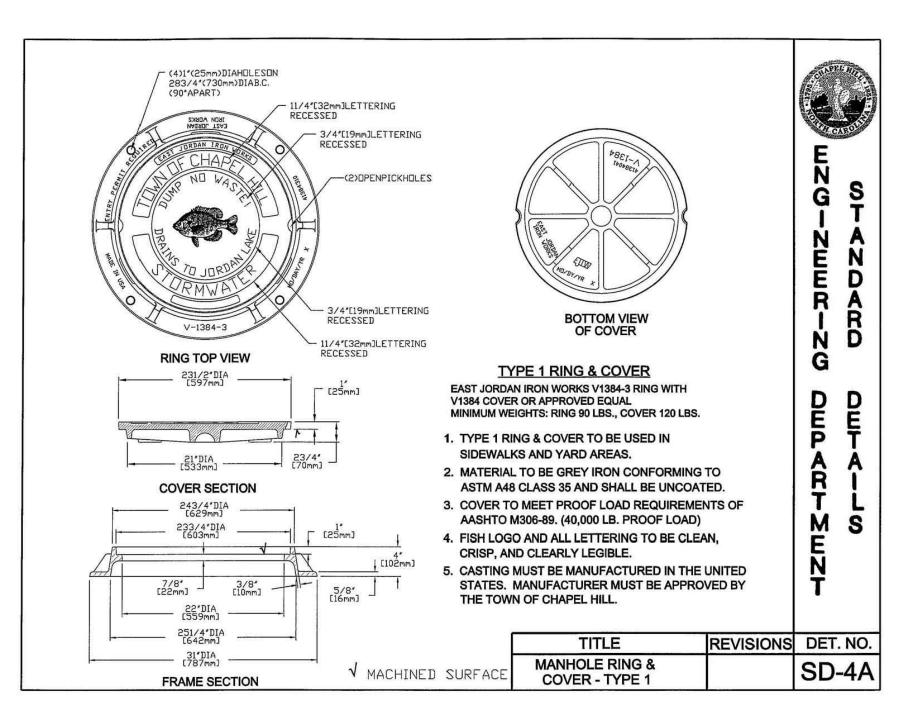
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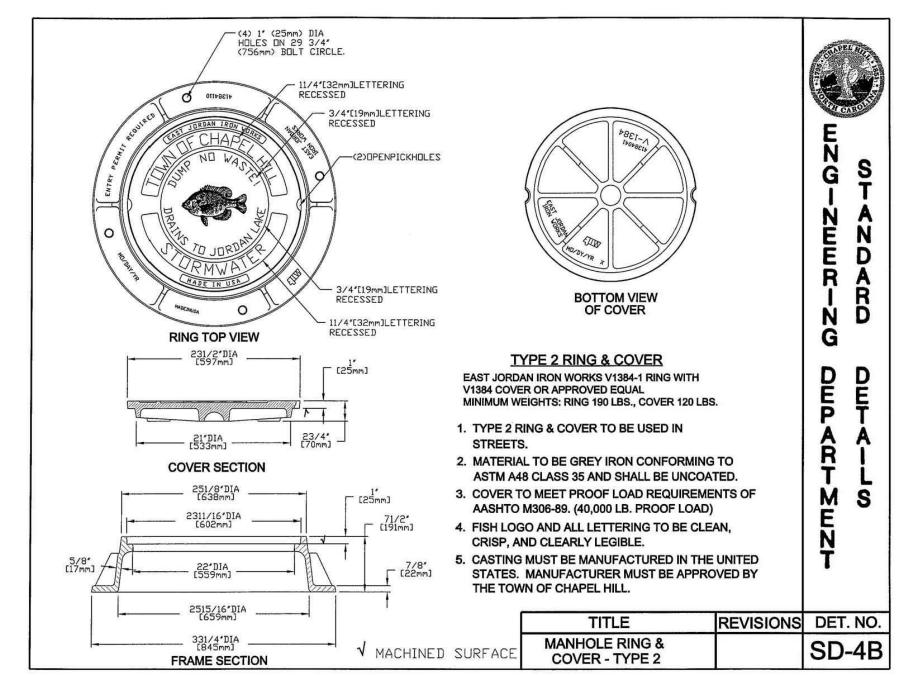
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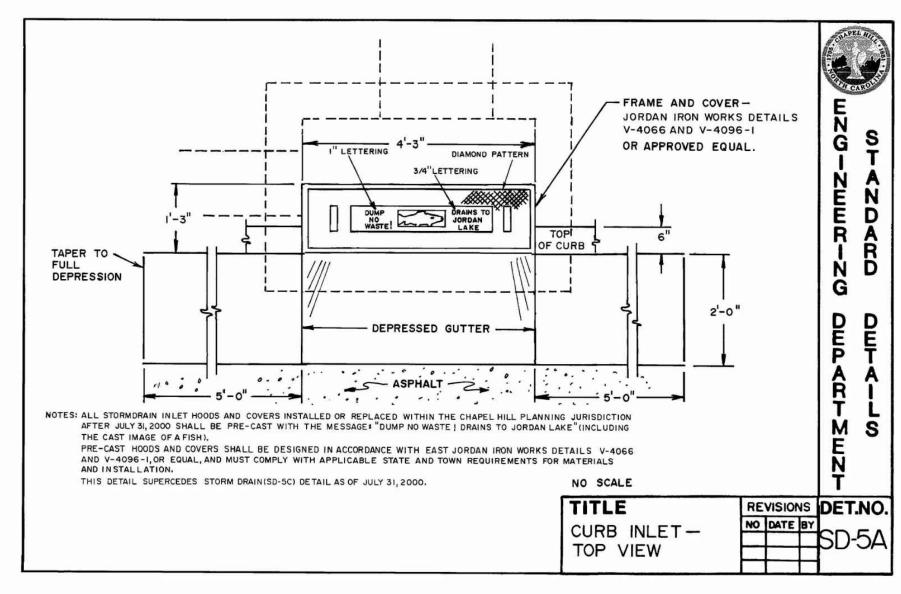
DETAILS

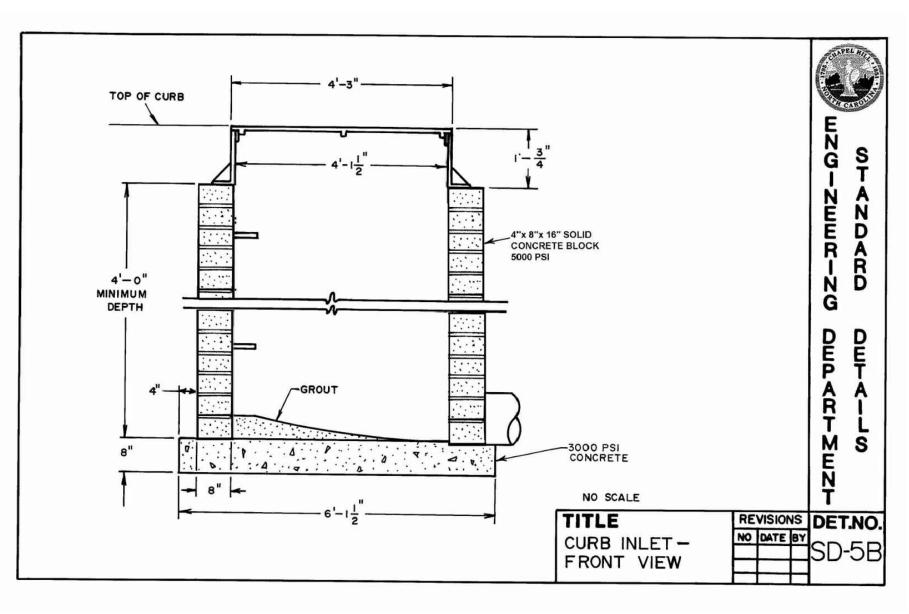
SANITARY SEWER

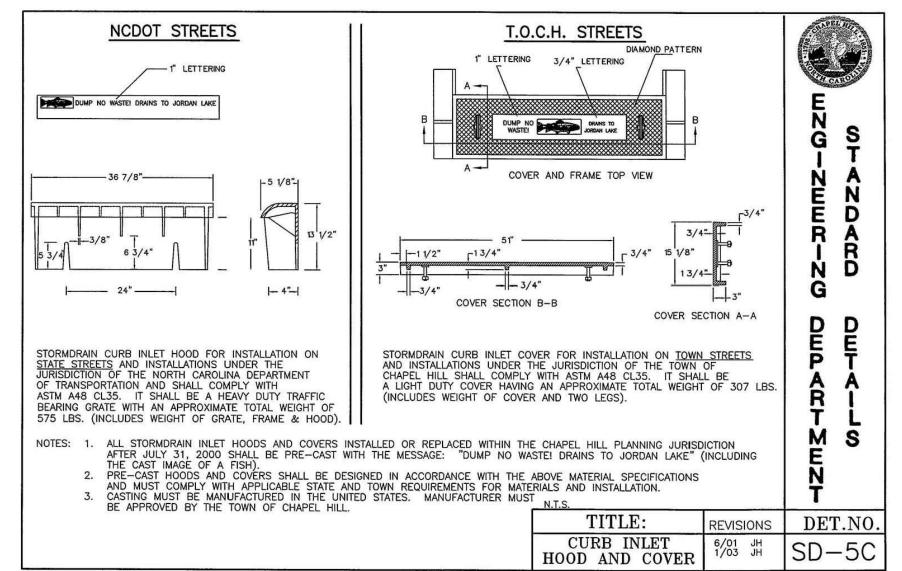


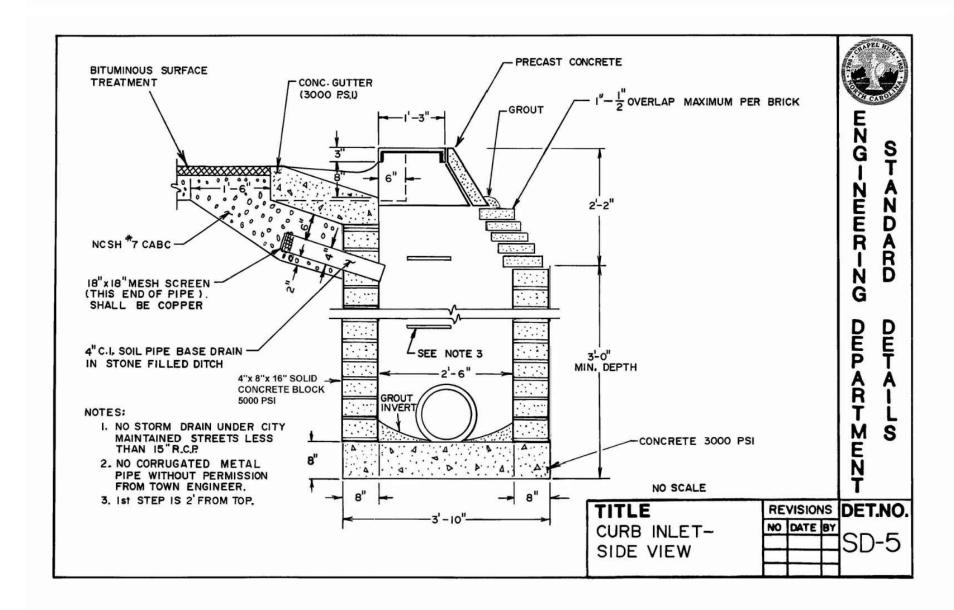


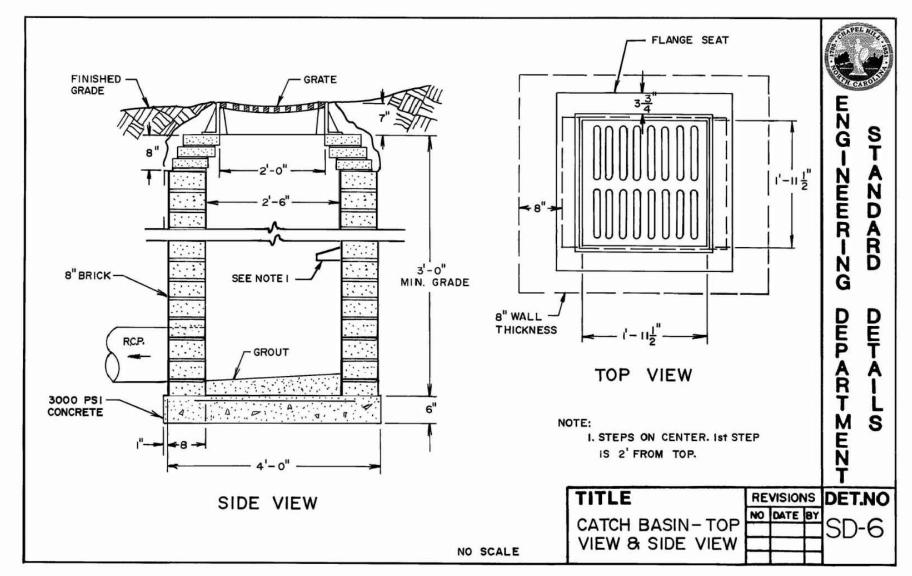


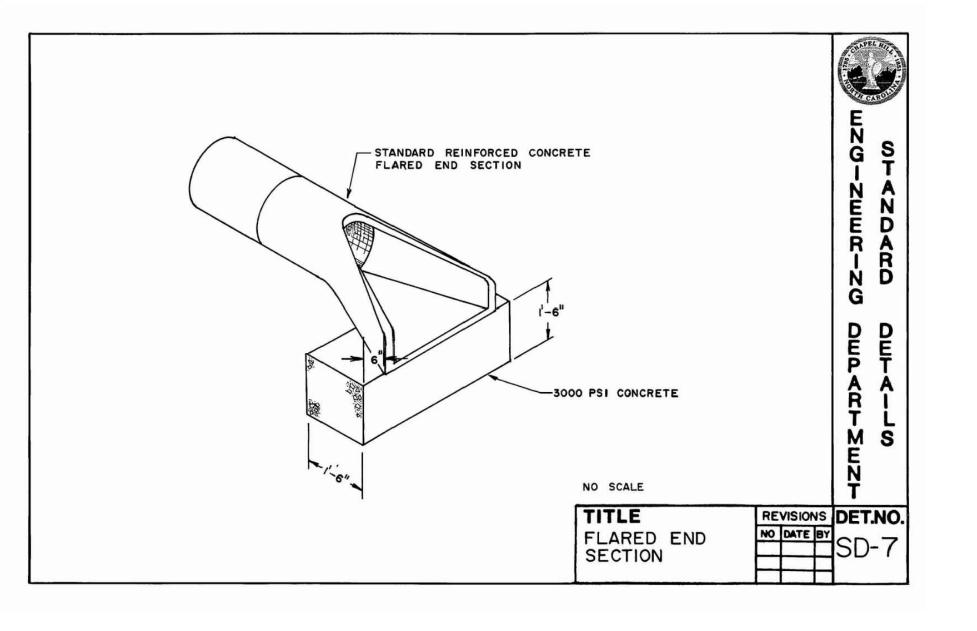












621 Hillsborough Street

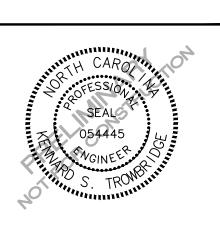
The John R. McAdams Company, Inc. Suite 500 Raleigh, NC 27603 phone 919. 361. 5000 fax 919. 361. 2269 license number: C-0293, C-187

www.mcadamsco.com

CLIENT

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL DEPARTMENT OF ATHLETICS 220 FINLEY GOLF COURSE ROAD CHAPEL HILL, NORTH CAROLINA 27517





REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. UNC-22005 FILENAME UNC22005-D1 CHECKED BY KST

DRAWN BY SME

STORM DRAINAGE **DETAILS**

STORMWATER CONTROL MEASURE CONSTRUCTION SPECIFICATIONS

GENERAL NOTES

PRIOR TO CONSTRUCTION, ANY DISCREPANCIES IN THE PLANS AND NOTES SHALL BE BROUGHT TO THE DESIGN ENGINEER'S ATTENTION IMMEDIATELY. IF THE CONTRACTOR, IN THE COURSE OF WORK, FINDS ANY DISCREPANCIES IN THE PLANS OR NOTES GIVEN BY THE PROJECT ENGINEER, IT SHALL BE THEIR DUTY TO IMMEDIATELY INFORM THE PROJECT ENGINEER IN WRITING. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.

- 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENSES AND PERMITS REQUIRED TO COMPLETE THE WORK INCLUDED IN THE CONTRACT DOCUMENTS AT THE CONTRACTOR'S EXPENSE.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECT AND MOST

SHALL BE UNCOVERED FOR INSPECTION AT THE CONTRACTOR'S EXPENSE.

- 4. THE PROJECT WILL MEET ALL RELEVANT DESIGN REQUIREMENTS IN THE NCDEQ MANUAL AND THE TOWN OF CHAPEL HILL REGULATIONS AND STANDARDS.
- 5. THE DESIGN ENGINEER OR THEIR REPRESENTATIVE SHALL BE ON SITE FOR THE INSTALLATION OF ESSENTIAL ELEMENTS OF THE PRINCIPAL SPILLWAY INCLUDING BUT NOT LIMITED TO THE ANTI-FLOAT BLOCK, RISER, CONCRETE COLLAR, CONCRETE CRADLE, AND THE OUTLET BARREL. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER 72 HOURS PRIOR TO INSTALLATION OF THESE ITEMS TO ENSURE THAT A REPRESENTATIVE CAN BE ON-SITE. PHOTOGRAPHS OF THESE ITEMS MUST BE TAKEN PRIOR TO BACKFILLING FOR USE IN THE AS-BUILT PHASE. IF THE CONTRACTOR INSTALLS THESE WITHOUT THE ENGINEER OR ENGINEER'S REPRESENTATIVE ON-SITE, THEN THE ELEMENTS
- 6. THE FINAL CERTIFICATION FOR THIS FACILITY WILL INCLUDE A CERTIFICATION BY THE ON-SITE GEOTECHNICAL ENGINEER THAT THE PROJECT WAS CONSTRUCTED PER THE APPROVED PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE ON-SITE GEOTECHNICAL ENGINEER FOR OBSERVATION AND TESTING SUCH THAT THE ON-SITE GEOTECHNICAL ENGINEER CAN CERTIFY THE CONSTRUCTION OF THE DAM EMBANKMENT AND SPILLWAY. THIS CERTIFICATION MUST ADDRESS THE TESTING FOR MATERIALS AND COMPACTION OF THE DAM EMBANKMENT AND SPILLWAY.
- 7. ALL CONSTRUCTION ACTIVITY RELATED TO THE PROPOSED STORMWATER CONTROL MEASURE SHALL BE PER THE DETAILS AND SPECIFICATIONS SHOWN IN THESE DRAWINGS. SOILS, COMPACTION, AND OTHER MISCELLANEOUS DETAILS AND SPECIFICATIONS MAY BE MODIFIED PER THE RECOMMENDATIONS OF THE ON-SITE GEOTECHNICAL ENGINEER. HOWEVER, PRIOR TO IMPLEMENTATION, THE DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DEVIATION FROM THESE DESIGN DRAWINGS, INCLUDING SHOP DRAWINGS FOR ANY PROPOSED MODIFICATION.
- 8. DURING THE INITIAL STAGES OF CONSTRUCTION, THE STORMWATER CONTROL MEASURE MAY BE USED AS A SEDIMENT BASIN FOR EROSION CONTROL PURPOSES. IF SO, THE CONTRACTOR SHALL FOLLOW THE GENERAL CONSTRUCTION SEQUENCE BELOW:
 A. THE CONTRACTOR SHALL CONSTRUCT THE ENTIRE FACILITY (PERMANENT OUTLET STRUCTURE, DAM, ETC.) WITH THE EXCEPTION OF THE INTERIOR FINE GRADING FOR THE FACILITY. THE INTERIOR FINE GRADING WILL BE CONSTRUCTED ONCE THE EROSION CONTROL
- PHASE IS COMPLETE.

 B. THE TEMPORARY DRAWDOWN RISER (OR SKIMMER) SHALL BE CONNECTED TO THE PERMANENT 6"Ø DIP DRAIN PIPE.

 C. ONCE THE UPSTREAM DRAINAGE AREA IS STABILIZED AND THE EROSION CONTROL INSPECTOR APPROVES THE REMOVAL OF THE SEDIMENT BASIN, THE CONTRACTOR SHALL REMOVE THE TEMPORARY DRAWDOWN RISER (OR SKIMMER) AND CLEAN OUT THE BASIN IN ACCORDANCE WITH EROSION CONTROL STANDARD PRACTICES. ALL SEDIMENT, TRASH, ETC. SHALL BE DISPOSED OF
- BASIN IN ACCORDANCE WITH EROSION CONTROL STANDARD PRACTICES. ALL SEDIMENT, TRASH, ETC. SHALL BE DISPOSED OF PROPERLY (I.E. PLACED IN A LANDFILL) AND NOT STOCKPILED IN AN AREA WHERE WATER QUALITY COULD BE ADVERSELY AFFECTED.

 D. ONCE THE BASIN IS CLEANED OUT, AND ALL EROSION CONTROL DEVICES REMOVED, THE CONTRACTOR SHALL CONSTRUCT THE INTERIOR GRADING SHOWN ON THIS SHEET.
- E. ONCE THE GRADING SHOWN ON THIS SHEET.

 E. ONCE THE GRADING IS COMPLETE, THE CONTRACTOR SHALL REQUEST AN ON-SITE INSPECTION AND AN AS-BUILT SURVEY PRIOR TO INSTALLATION OF THE STORMWATER CONTROL MEASURE PLANTS. IF THE CONTRACTOR PLANTS THE PROPOSED VEGETATION PRIOR TO AN AS-BUILT SURVEY (AND SUBSEQUENT APPROVAL), ANY CHANGES TO THE GRADING / RE-PLANTING OF PLANTS WILL BE AT THE CONTRACTOR'S EXPENSE.
- F. ONCE THE ENGINEER HAS APPROVED THE AS-BUILT GRADING, THE CONTRACTOR SHALL PLANT THE PROPOSED STORMWATER CONTROL MEASURE PLANTS SHOWN ON THE LANDSCAPE PLAN FOR THE FACILITY. AFTER COMPLETION OF THE PLANTING, THE LANDSCAPE CONTRACTOR SHALL PROVIDE A LETTER TO THE ENGINEER CERTIFYING THAT THE PLANTS HAVE BEEN INSTALLED PER THE APPROVED STORMWATER CONTROL MEASURE PLANTING PLAN.
- 9. ALL OSHA REQUIREMENTS FOR EXCAVATIONS (SHORING, DEPTH, ETC.) ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE AN EXCAVATION PLAN TO BE SEALED BY A NC P.E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF AN EXCAVATION PLAN IS REQUIRED. THE JOHN R. MCADAMS COMPANY ASSUMES NO RESPONSIBILITY FOR ANY EXCAVATION DESIGN RELATED TO SAFETY OR OSHA REQUIREMENTS.
- 10. ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE THE IN-SITU SOIL INFILTRATION RATE OF THE STORMWATER CONTROL MEASURE BOTTOM. BASED ON THE RESULTS, THE DESIGN ENGINEER SHALL DETERMINE IF A LINER WILL BE NEEDED TO MAINTAIN A PERMANENT POOL. UPON DETERMINATION OF HIGHLY PERMEABLE SOILS AND THE SEASONAL HIGH WATER TABLE OUTSIDE OF THE ACCEPTABLE RANGE, THE DESIGN ENGINEER WILL PROVIDE SPECIFICATIONS FOR THE LINER.
- PORTIONS OF THE STORMWATER CONTROL MEASURE, AND KEY TRENCH). THEREFORE, THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ANY PUMPING EQUIPMENT, ETC. NEEDED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE STORMWATER CONTROL MEASURE SITE. DURING PLACEMENT OF FILL WITHIN THESE AREAS, THE CONTRACTOR SHALL KEEP THE WATER LEVEL BELOW THE BOTTOM OF THE EXCAVATION / CONSTRUCTION AREAS. THE MANNER IN WHICH THE WATER IS REMOVED SHALL BE SUCH THAT THE EXCAVATION BOTTOM AND SIDE SLOPES ARE STABLE, WITH NO SEDIMENT DISCHARGED FROM THE SITE (I.E. PUMPED WATER MAY NEED TO BE DIRECTED TO AN APPROVED EROSION CONTROL DEVICE PRIOR TO DISCHARGE).

11. IT IS ANTICIPATED THAT DEWATERING WILL BE NECESSARY IN THE EXCAVATION AREAS (E.G. - EMBANKMENT SUB GRADE, INTERIOR

- 12. PRIOR TO TOPSOIL INSTALLATION, THE CONTRACTOR SHALL SCARIFY THE TOP 2-3" OF THE BERM SECTION TO PROMOTE BONDING OF THE TOPSOIL WITH THE COMPACTED FILL. THE TOPSOIL DEPTH SHALL RANGE FROM 3-4" ON THE DAM EMBANKMENT AND AQUATIC SHELF. PLEASE NOTE THE TOPSOIL SHALL BE AMENDED AS DIRECTED BY A LANDSCAPE PROFESSIONAL PRIOR TO INSTALLATION ON THE EMBANKMENT AND AQUATIC SHELF.
- THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY PERIOD FOR ALL PLANTINGS IN THE STORMWATER CONTROL MEASURE.
 THE CONTRACTOR SHALL REFER TO THE LANDSCAPING PLAN FOR THE PERMANENT PLANTING PLAN/SCHEDULE FOR THIS FACILITY.
 CONTRACTOR SHALL COORDINATE WITH A LANDSCAPE PROFESSIONAL REGARDING SCHEDULING FOR PLANT INSTALLATION. PLEASE
- OUTLET STRUCTURE MATERIAL SPECIFICATIONS

NOTE THAT NO TREES/SHRUBS OF ANY TYPE MAY BE PLANTED ON FILL AREAS OF THE PROPOSED DAM EMBANKMENT

1. THE 18"Ø RCP OUTLET BARREL SHALL BE CLASS III O-RING RCP, MODIFIED BELL AND SPIGOT, MEETING THE REQUIREMENTS OF ASTM C76-LATEST. THE PIPES SHALL HAVE SINGLE OFFSET JOINTS MEETING ASTM C-443-LATEST.

- 2. THE STRUCTURAL DESIGN FOR THE 4' X 4' (INTERNAL DIMENSIONS) RISER BOX WITH EXTENDED BASE SHALL BE BY OTHERS. PRIOR TO ORDERING THE STRUCTURES, THE CONTRACTOR SHALL PROVIDE, TO THE DESIGN ENGINEER FOR REVIEW, SHOP DRAWINGS AND SUPPORTING STRUCTURAL CALCULATIONS SEALED BY A P.E. REGISTERED IN NORTH CAROLINA DEMONSTRATING THE PERTINENT VERTICAL LOADS ARE SUPPORTED BY THE CONCRETE RISER STRUCTURE.
- 3. THE RISER BOX OUTLET STRUCTURE SHALL BE PROVIDED WITH STEPS 16" ON CENTER. STEPS SHALL BE PROVIDED ON THE INNER WALL OF THE RISER BOX. STEPS SHALL BE IN ACCORDANCE WITH NCDOT STD. 840.66. PLEASE REFER TO SHEET C9.01 FOR LOCATION OF THE RISER STEPS. NOTE THE STEPS SHALL LINE UP WITH THE ACCESS HATCH OF THE TRASH RACK.
- 4. THE CONCRETE ANTI-FLOTATION BLOCK SHALL BE CAST-IN-PLACE. STEEL REINFORCEMENT AND CONNECTION TO THE RISER SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAIL ON SHEET C9.02. THE CONTRACTOR SHALL ENSURE THE WEIGHT OF THE ENTIRE RISER STRUCTURE IS GREATER THAN OR EQUAL TO 14,470 LBS.
- CONTRACTOR SHALL INCORPORATE A WATERSTOP INTO THE RISER BOX JOINT TO ENSURE A WATERTIGHT CONNECTION. THE CONTRACTOR SHALL PARGE JOINTS ON BOTH THE INSIDE AND OUTSIDE WITH NON-SHRINK GROUT AND INSTALL GALVANIZED STEEL STRAPS PER DETAIL ON SHEET C9.01.

5. THE RISER BOX JOINTS SHALL BE SEALED USING BUTYL RUBBER SEALANT CONFORMING TO ASTM-C990-LATEST. IF NECESSARY, THE

- 6. PRIOR TO ORDERING, THE CONTRACTOR SHALL SUBMIT TRASH RACK SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL ENSURE THAT AN ACCESS HATCH IS PROVIDED ON THE TRASH RACK (SEE DETAIL SHEET C9.02 FOR LOCATION) THAT WILL ALLOW FOR ELITIDE MAINTENANCE ACCESS NOTE THE ACCESS HATCH SHALL LINE LIP WITH THE ACCESS STEPS AFTER INSTALL ATION.
- FOR FUTURE MAINTENANCE ACCESS. NOTE THE ACCESS HATCH SHALL LINE UP WITH THE ACCESS STEPS AFTER INSTALLATION.

 7. ALL POURED CONCRETE SHALL MEET THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED:
- -MINIMUM 3000 PSI (28 DAY) -SI UMP = 3" - 5"
- -ENTRAINED AIR = 5% 7%
- PLEASE NOTE NO CONCRETE SHALL BE POURED WHEN THE AMBIENT AIR TEMPERATURES ARE EXPECTED TO BE ABOVE 85°F OR BELOW 40°F. CAST-IN-PLACE CONCRETE SHALL BE "WET CURED" AFTER FINISHING FOR A MINIMUM OF 48 HOURS.
- CAST-IN-PLACE CONCRETE TO BE VIBRATED AS NECESSARY.
- ON-SITE GEOTECHNICAL ENGINEER TO TEST AND CERTIFY ALL POURED CONCRETE MEETS THE ABOVE SPECIFICATIONS. CONCRETE CYLINDERS FOR TESTING TO BE OBTAINED AT TIME OF POURING OF CAST-IN-PLACE STRUCTURES.
- 8. GEOTEXTILE FABRIC FOR THE 18"Ø RCP OUTLET BARREL JOINTS SHALL BE MIRAFI 180N OR ENGINEER APPROVED EQUAL (NON-WOVEN FABRIC).
- 9. STORMWATER CONTROL MEASURE EMERGENCY DRAWDOWN IS VIA AN 6"Ø PLUG VALVE. THE VALVE SHALL BE A M&H STYLE 1820 ECCENTRIC VALVE OR APPROVED EQUAL. THIS VALVE IS IN ACCORDANCE WITH AWWA C-517, AND SHALL BE OPERABLE FROM TOP OF OUTLET STRUCTURE VIA A HAND WHEEL (SEE DETAIL SHEET C9.01). THE CONTRACTOR SHALL PROVIDE A REMOVABLE VALVE WRENCH WITH A HAND WHEEL ON TOP FOR OPERATION OF THE 6"Ø PLUG VALVE.

CONSTRUCTION SECUENC

- 1. PRIOR TO CONSTRUCTION, THE OWNER SHALL OBTAIN A LAND DISTURBING (GRADING) PERMIT AND AN "APPROVAL TO CONSTRUCT" FROM THE TOWN OF CHAPEL HILL AND ALL OTHER NECESSARY PERMITS FROM APPLICABLE AGENCIES (E.G. 404 / 401 PERMITS).
- INSTALL ALL SEDIMENT AND EROSION CONTROL MEASURES PER THE APPROVED SEDIMENT AND EROSION CONTROL PLAN. THE CONTRACTOR SHALL MAINTAIN ALL APPROVED SEDIMENT AND EROSION CONTROL MEASURES THROUGHOUT THE ENTIRE PROJECT, AS REQUIRED. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE EROSION CONTROL INSPECTOR, AS REQUIRED BY GOVERNING AGENCIES. PRIOR TO ANY CLEARING.
- 3. CLEAR AND GRUB AREA WITHIN THE LIMITS OF THE PROPOSED DAM CONSTRUCTION, ADHERING TO THE "BERM AND SOIL COMPACTION" NOTES. ALL TREES AND THEIR ENTIRE ROOT SYSTEMS MUST BE REMOVED FROM THE DAM FOOTPRINT AREA AND BACKFILLED WITH SUITABLE SOIL MATERIAL. THE BACKFILLED AREAS SHALL BE COMPACTED TO THE SAME STANDARDS AS THE DAM EMBANKMENT. THE REMAINING AREA OF THE EMBANKMENT SHALL BE STRIPPED TO A SUITABLE DEPTH AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER. ANY RESIDUAL SOILS TO BE LEFT IN PLACE MUST BE WELL SCARIFIED TO PROMOTE BONDING OF THE NEW EMBANKMENT FILL. NO EMBANKMENT MATERIAL SHALL BE PLACED FOR THE DAM OR KEY TRENCH UNTIL APPROVAL OF THE DAM SUBGRADE IS OBTAINED FROM THE ON-SITE GEOTECHNICAL ENGINEER.
- 4. EXCAVATE FOR THE NEW KEY TRENCH ALONG THE CENTERLINE OF THE PROPOSED DAM EMBANKMENT. THE TRENCH SHALL EXTEND A MINIMUM OF 5 FT BELOW EXISTING GRADE OR 2 FT BELOW THE 18"Ø RCP OUTLET BARREL AND SHALL HAVE A MINIMUM BOTTOM WIDTH OF 5 FEET. THE KEY TRENCH SIDESLOPES SHALL BE A MINIMUM OF 1:1 (H:V). WHEN EXCAVATING THE KEY TRENCH, IF ANY DEBRIS IS ENCOUNTERED TO AN EXTENT THAT SUCH DEBRIS MAY EXIST IN OTHER INSITU PORTIONS OF THE DAM EMBANKMENT, IT SHOULD ALSO BE REMOVED. THE KEY TRENCH SHALL BE COMPACTED TO THE SAME SPECIFICATION LISTED IN ITEM 4 OF THE "BERM AND SOIL COMPACTION SPECIFICATIONS" NOTES. DEPENDING UPON ON-SITE SOIL CONDITIONS ENCOUNTERED DURING EXCAVATION, THE ON-SITE GEOTECHNICAL ENGINEER MAY VARY THE DEPTH AND DIMENSIONS OF THE KEY TRENCH AS DEEMED NECESSARY. THE ON-SITE GEOTECHNICAL ENGINEER SHALL RETAIN DOCUMENTATION OF ANY VARIATION FOR FUTURE AS-BUILT SUBMITTALS TO THE TOWN OF
- BEGIN PLACEMENT OF BACKFILL WITHIN THE KEY TRENCH. THE KEY TRENCH SHALL BE COMPACTED TO THE SPECIFICATIONS LISTED IN ITEM 4 OF THE "BERM AND SOIL COMPACTION SPECIFICATIONS" NOTES. THE KEY TRENCH SHALL BE TESTED PER THE SPECIFICATIONS LISTED IN THAT SECTION.
- 6. CONTRACTOR SHALL GIVE THE DESIGN ENGINEER A MINIMUM OF 72 HOURS NOTICE PRIOR TO THE INSTALLATION OF THE SPILLWAY.
- 7. PRIOR TO INSTALLATION, SUBGRADE CONDITIONS ALONG THE SPILLWAY PIPES SHOULD BE EVALUATED BY THE ON-SITE GEOTECHNICAL ENGINEER TO ASSESS WHETHER SUITABLE BEARING CONDITIONS EXIST AT THE SUBGRADE LEVEL. SHOULD SOFT OR OTHERWISE UNSUITABLE CONDITIONS BE ENCOUNTERED ALONG THE PIPE ALIGNMENTS, THESE MATERIALS SHOULD BE UNDERCUT AS DIRECTED BY THE GEOTECHNICAL ENGINEER. THE UNDERCUT MATERIALS SHALL BE REPLACED WITH ADEQUATELY COMPACTED STRUCTURAL FILL, LEAN CONCRETE OR FLOWABLE FILL AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER.
- 8. IN ORDER TO HELP PROTECT THE SOIL SUBGRADE FROM DETERIORATION (DUE TO EXPOSURE, RAINFALL, SEEPAGE, AND RUNOFF)
 BEFORE THE CRADLE CAN BE POURED, IT IS STRONGLY RECOMMENDED THAT A 3" TO 4" THICK CONCRETE MUD MAT BE POURED OVER
 THE SUBGRADE ONCE IT IS APPROVED BY THE ON-SITE GEOTECHNICAL ENGINEER. THE MUD MAT WILL ALSO PROVIDE BEARING FOR THE
 BLOCKS THAT TEMPORARILY SUPPORT THE SPILLWAY PIPE UNTIL THE CRADLE CAN BE POURED. THE METHOD OF BLOCK SUPPORT FOR
 THE PIPE PROPOSED BY THE CONTRACTOR SHOULD BE SUBMITTED TO THE JOHN R. McADAMS COMPANY FOR REVIEW.
- 9. BEGIN CONSTRUCTION OF THE NEW EMBANKMENT. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8" THICK LIFTS PRIOR TO COMPACTION, UNLESS DIRECTED OTHERWISE BY THE ON-SITE GEOTECHNICAL ENGINEER. FILL LIFTS SHALL BE CONTINUOUS OVER THE ENTIRE LENGTH OF FILL. IF IT IS NECESSARY, THE EMBANKMENT FILL MATERIAL WILL BE OVERBUILT IN HORIZONTAL LIFTS AND CUT BACK TO FINAL GRADE IN ORDER TO ACHIEVE PROPER COMPACTION.
- 10. AS CONSTRUCTION OF THE EMBANKMENT MOVES FORWARD, IT WILL BE NECESSARY TO INSTALL THE CONCRETE CRADLE. SEE NOTE ON CRADLE DETAIL (SHEET C9.02). THE PROPOSED STRUCTURAL FILL MATERIAL SHALL BE UTILIZED AS THE FORMWORK FOR THE CONCRETE CRADLE. THE STRUCTURAL FILL SHOULD BE INSTALLED AND COMPACTED UP TO THE TOP OF CONCRETE CRADLE ELEVATION. ONCE THE STRUCTURAL FILL REACHES THE NEXT DOWNSTREAM JUNCTION BOX OR HEADWALL AND IS COMPACTED TO THE ELEVATION OF THE TOP OF THE CONCRETE CRADLE, EXCAVATE THE CONCRETE CRADLE TRENCH PER THE PROVIDED DETAILS AND CONSTRUCT THE CONCRETE CRADLE AS PER THE PROVIDED CONCRETE CRADLE DETAIL. THE CRADLE SHALL NOT BE BEDDED ON STONE MATERIAL.
- 11. INSTALL RISER / BARREL ASSEMBLY, ALONG WITH THE EMERGENCY DRAIN SYSTEM. INSTALL 18" RCP OUTLET BARREL SPILLWAY FILTER FROM THE DETAILS SHOWN ON SHEET C9.02.
- 12. CONSTRUCT EMBANKMENT PER SPECIFICATIONS LISTED IN THE "BERM AND SOIL COMPACTION SPECIFICATIONS" NOTES AND REQUIREMENTS OF THE ON-SITE GEOTECHNICAL ENGINEER. ALL CHARACTERISTICS OF THE EMBANKMENT FILL MATERIAL SHALL MEET THE STANDARDS SET FORTH IN THE "BERM AND SOIL COMPACTION SPECIFICATIONS" NOTES, INCLUDING COMPACTION AND MOISTURE REQUIREMENTS. IF NECESSARY TO ACHIEVE PROPER COMPACTION, THE EMBANKMENT FILL MATERIAL WILL BE OVERBUILT IN HORIZONTAL LIFTS AND CUT BACK TO PROPER FINAL GRADE. ANY HAND COMPACTION ACTIVITIES AROUND SPILLWAY OR DRAIN STRUCTURES SHALL BE CONDUCTED IN 4-INCH LOOSE LIFTS AND BE TO THE SAME COMPACTION AND MOISTURE REQUIREMENTS AS THE ENTIRE EMBANKMENT. ALL COMPACTION AND MOISTURE TESTING SHALL BE CARRIED OUT AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER AND AS LISTED IN THE "BERM AND SOIL COMPACTION SPECIFICATIONS" NOTES.
- 13. UPON COMPLETION OF DAM EMBANKMENT, PROMPTLY STABILIZE AND SEED DAM EMBANKMENT PER SEEDING SCHEDULE. PERMANENT GROUND COVER SHALL BE ESTABLISHED PER THE PERMANENT SEEDING SCHEDULE FOUND ON SHEET C9.03.
- 14. SCHEDULE A FINAL AS-BUILT INSPECTION AND AS-BUILT SURVEY WITH THE ENGINEER AND SURVEYOR. AN AS-BUILT INSPECTION AND SURVEY SHALL BE SCHEDULED BEFORE IMPOUNDING WATER IN THE FACILITY AND A MINIMUM OF 60 DAYS PRIOR TO THE ANTICIPATED DATE OF CERTIFICATION APPROVAL. ANY COMMENTS OR DEFICIENCIES IN THE SCM CONSTRUCTION MUST BE CORRECTED TO THE

BERM AND SOIL COMPACTION SPECIFICATIONS

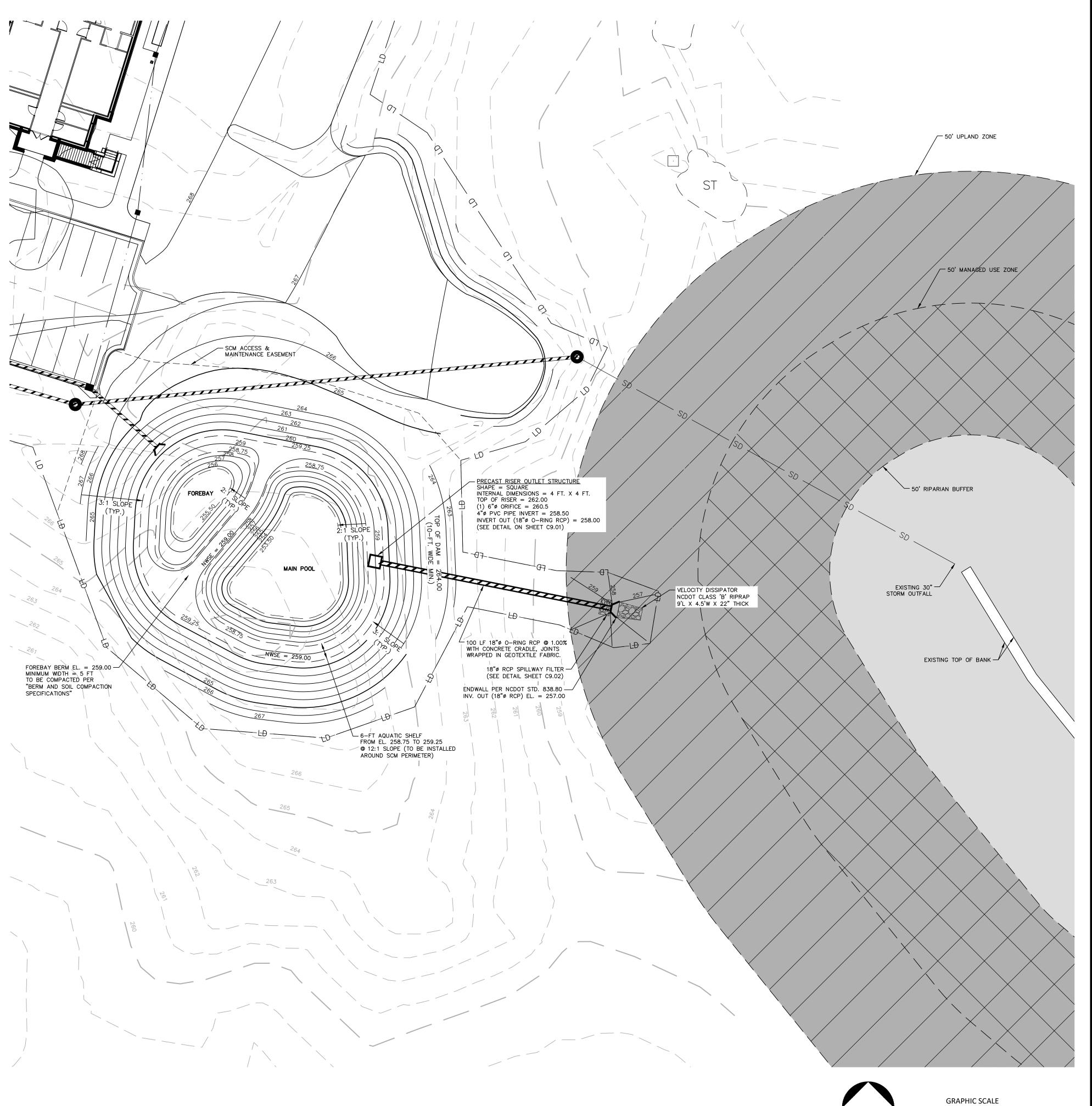
SATISFACTION OF THE ENGINEER AND OWNER BEFORE CERTIFICATION SHALL BE GRANTED.

- PRIOR TO CONSTRUCTION, THE ON-SITE GEOTECHNICAL ENGINEER SHALL IDENTIFY BORROW / FILL AREAS AND VERIFY THEIR SUITABILITY FOR USE WITHIN THE DAM EMBANKMENT. ALSO, THE ON-SITE GEOTECHNICAL ENGINEER SHALL PERFORM STANDARD PROCTORS ON THE PROPOSED BORROW MATERIAL TO ENSURE THAT OPTIMUM MOISTURE CONTENT AND COMPACTION CAN BE ACHIEVED / CONTROLLED DURING CONSTRUCTION.
- ALL FILL MATERIALS TO BE USED FOR THE DAM EMBANKMENT SHALL BE TAKEN FROM BORROW AREAS APPROVED BY THE ON-SITE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, WOOD, STONES GREATER THAN 6", AND FROZEN OR OTHER OBJECTIONABLE MATERIAL. THE FOLLOWING SOIL TYPES ARE SUITABLE FOR USE AS FILL WITHIN THE DAM EMBANKMENT AND KEY TRENCH: ML AND CL. ALL FILL MATERIALS SHALL BE APPROVED BY THE ONSITE GEOTECHNICAL ENGINEER FOR THE INTENDED
- 3. FILL PLACEMENT FOR THE EMBANKMENT SHALL NOT EXCEED A MAXIMUM 8" LIFT (UNCOMPACTED). EACH LIFT SHALL BE CONTINUOUS FOR THE ENTIRE LENGTH OF EMBANKMENT. BEFORE PLACEMENT OF FILL FOR THE BERM SECTION, ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND THE SURFACE PROPERLY PREPARED FOR FILL PLACEMENT. FILL MATERIAL ADJACENT TO ALL SPILLWAY AND DRAINAGE STRUCTURES SHALL BE PLACED IN 4-INCH (UNCOMPACTED) LIFTS AND HAND-COMPACTED TO THE SAME COMPACTION AND MOISTURE REQUIREMENTS AS THE ENTIRE EMBANKMENT.
- 4. ALL FILL SOILS USED IN THE EMBANKMENT CONSTRUCTION SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698). THE FILL SOILS SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN -1 TO +3 PERCENT OF ITS OPTIMUM MOISTURE CONTENT. COMPACTION TESTS SHALL BE PERFORMED BY THE ON-SITE GEOTECHNICAL ENGINEER DURING CONSTRUCTION TO VERIFY THAT THE PROPER COMPACTION LEVEL HAS BEEN REACHED. THE FILL SHOULD BE COMPACTED USING A SHEEPSFOOT TYPE COMPACTOR. IN ORDER TO PREVENT DAMAGE TO THE PIPE, NO COMPACTION EQUIPMENT SHALL CROSS ANY PIPE
- 5. THE DESIGN ENGINEER SHALL BE PROVIDED WITH REPORTS AND CERTIFICATION BY THE ON-SITE GEOTECHNICAL ENGINEER THAT THE GEOTECHNICAL ASPECTS OF THE FACILITY HAVE BEEN CONSTRUCTED PER PLAN. THIS CERTIFICATION MUST ADDRESS THE TESTING FOR MATERIALS AND COMPACTION OF THE DAM EMBANKMENT AND SPILLWAY. THESE REPORTS AND CERTIFICATION WILL BE NEEDED DURING THE AS-BUILT CERTIFICATION PROCESS FOR THIS STORMWATER CONTROL MEASURE. THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE TESTING AND OBSERVATION WITH THE ON-SITE GEOTECHNICAL ENGINEER.
- 6. TESTING OF THE NEW FILL MATERIALS SHALL BE PERFORMED TO VERIFY THAT THE RECOMMENDED LEVEL OF COMPACTION IS ACHIEVED DURING CONSTRUCTION. THEREFORE, ONE DENSITY TEST SHALL BE PERFORMED FOR EVERY 2,500 SQUARE FEET OF AREA FOR EVERY LIFT OF FILL OR AS RECOMMENDED BY THE ON-SITE GEOTECHNICAL ENGINEER.
- 7. TESTING WILL BE REQUIRED ALONG THE 18"Ø RCP OUTLET BARREL AT A FREQUENCY OF ONE TEST PER 25 LF OF PIPE PER VERTICAL FOOT OF FILL OR AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER.

STATEMENT OF RESPONSIBILITY 1. ALL REQUIRED MAINTENANCE AND INSPECTIONS OF

UNTIL MINIMUM COVER IS ESTABLISHED ALONG THE PIPE.

ALL REQUIRED MAINTENANCE AND INSPECTIONS OF THE STORMWATER CONTROL MEASURE SHALL BE THE RESPONSIBILITY OF THE OWNER, PER THE EXECUTED OPERATION AND MAINTENANCE AGREEMENT FOR THIS FACILITY.



STORMWATER WETPOND PLAN VIEW



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AT CHAPEL HILL
DEPARTMENT OF ATHLETICS
220 FINLEY GOLF COURSE ROAD



CHAPEL HILL-GOLI SAINING FACILITY SPECIAL USE PERMIT



REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. UNC-22005

FILENAME UNC22005-S

CHECKED BY MCT

DRAWN BY MMJ

MMJ
LE 1" = 20'
TE 04. 19. 2024

SHEET

SCM PLAN VIEW