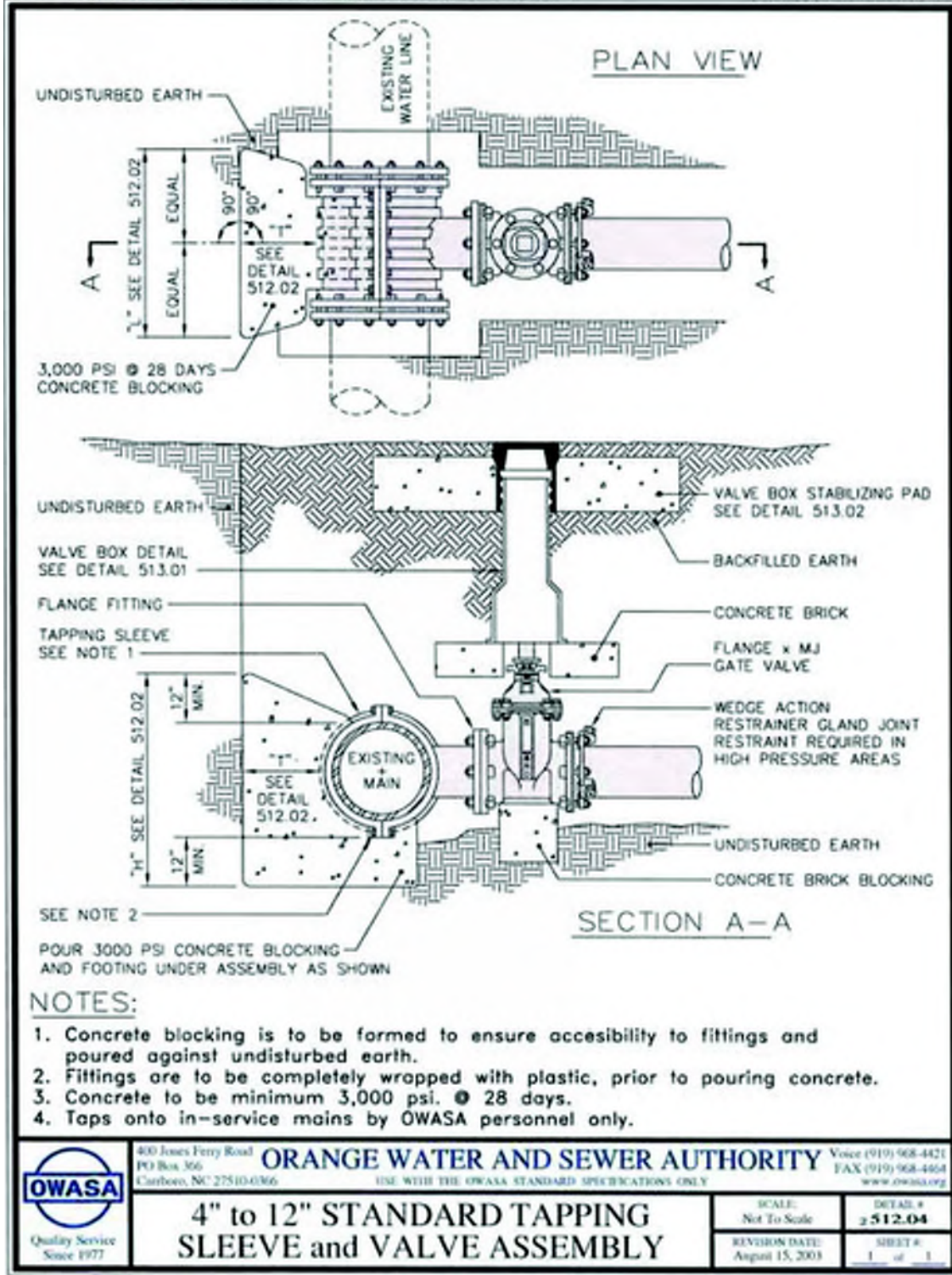
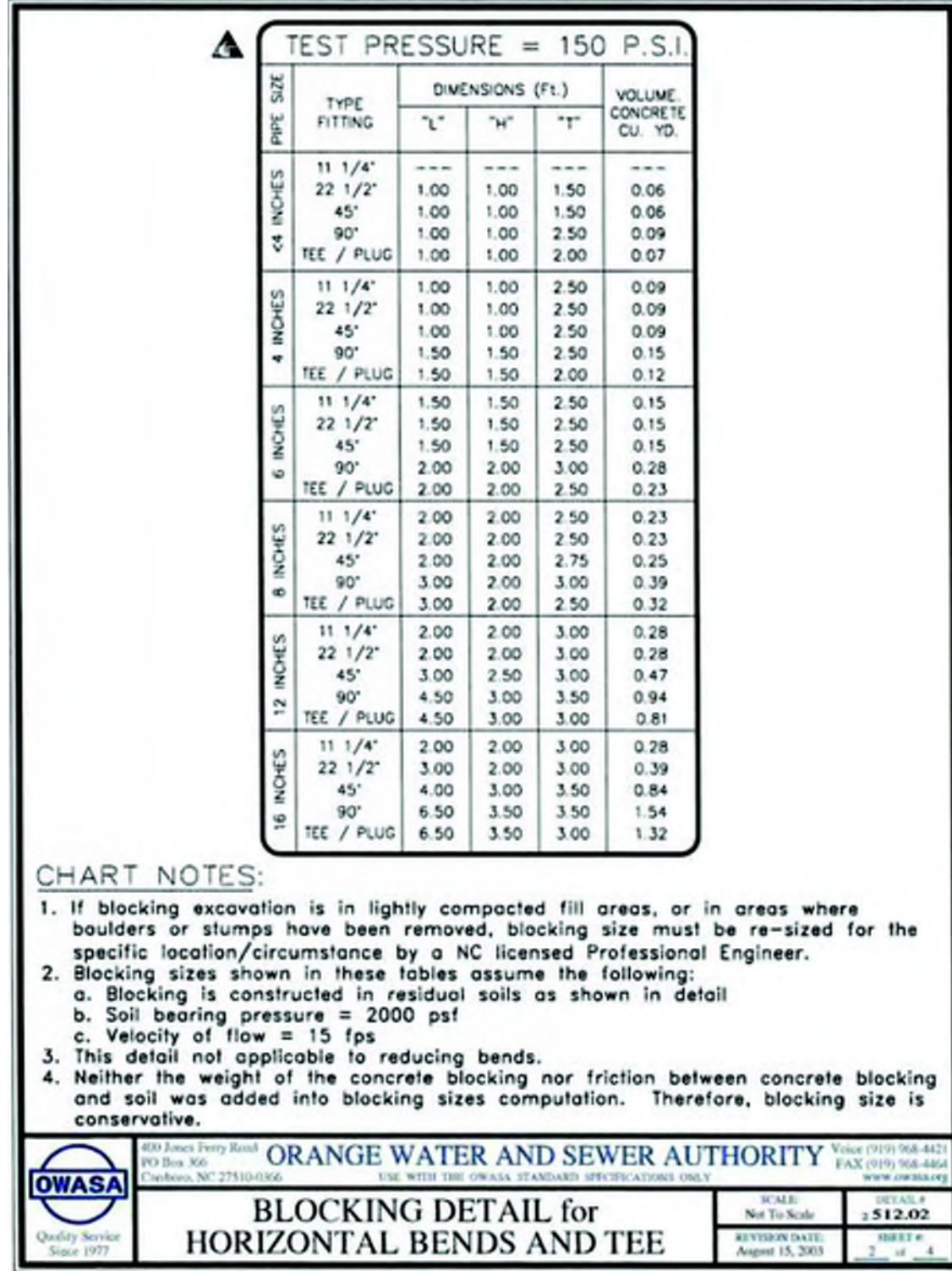
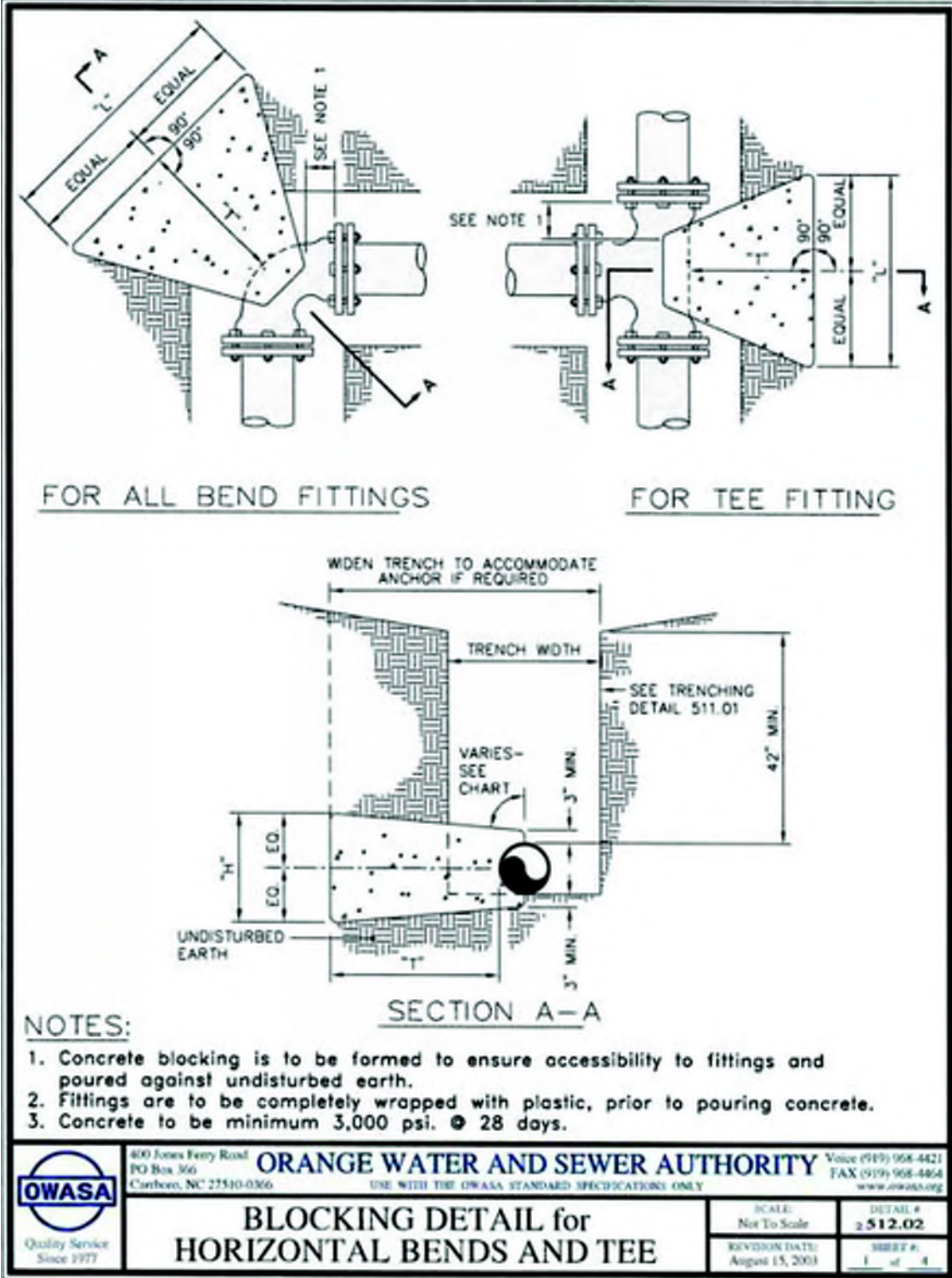
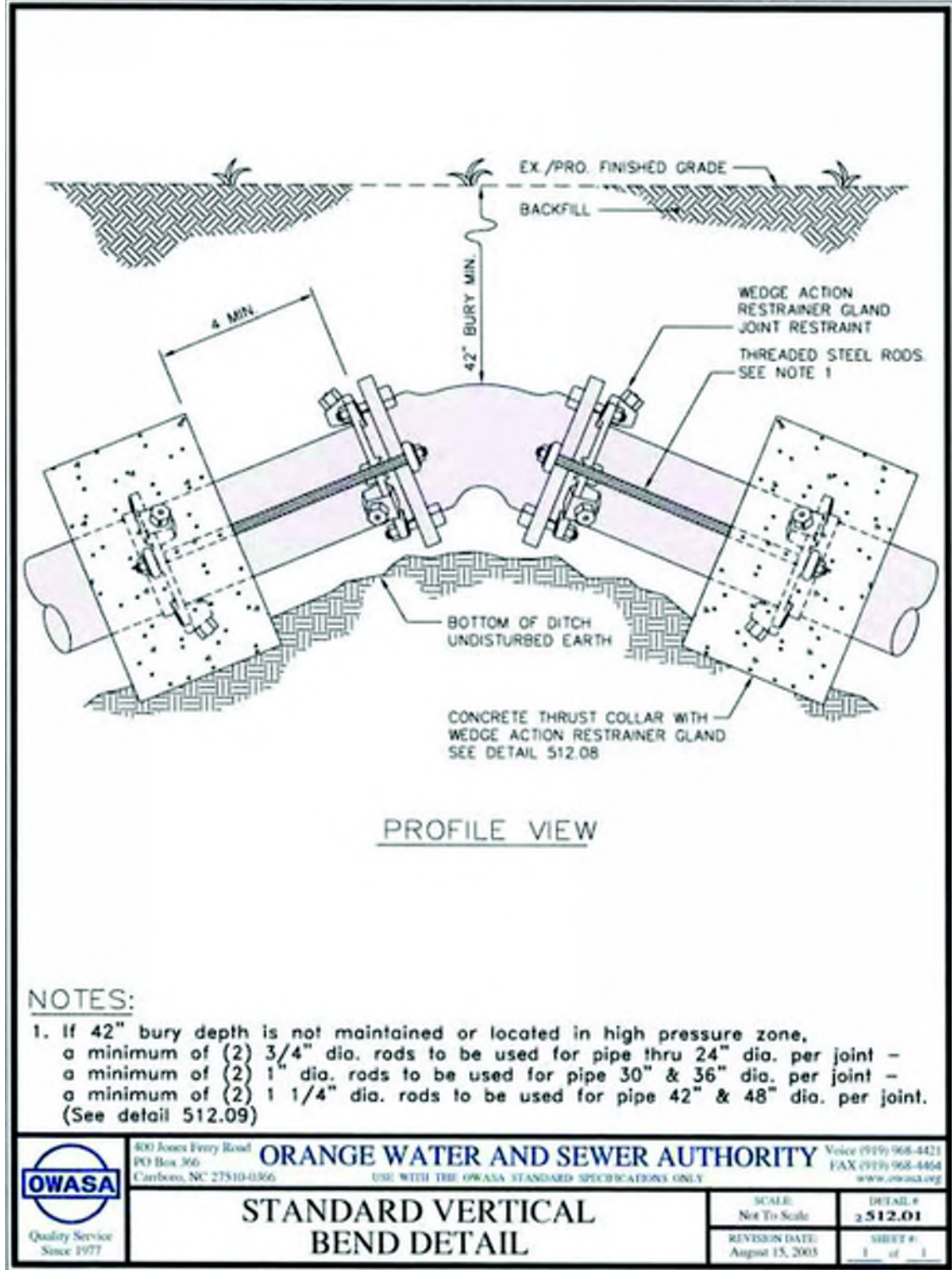
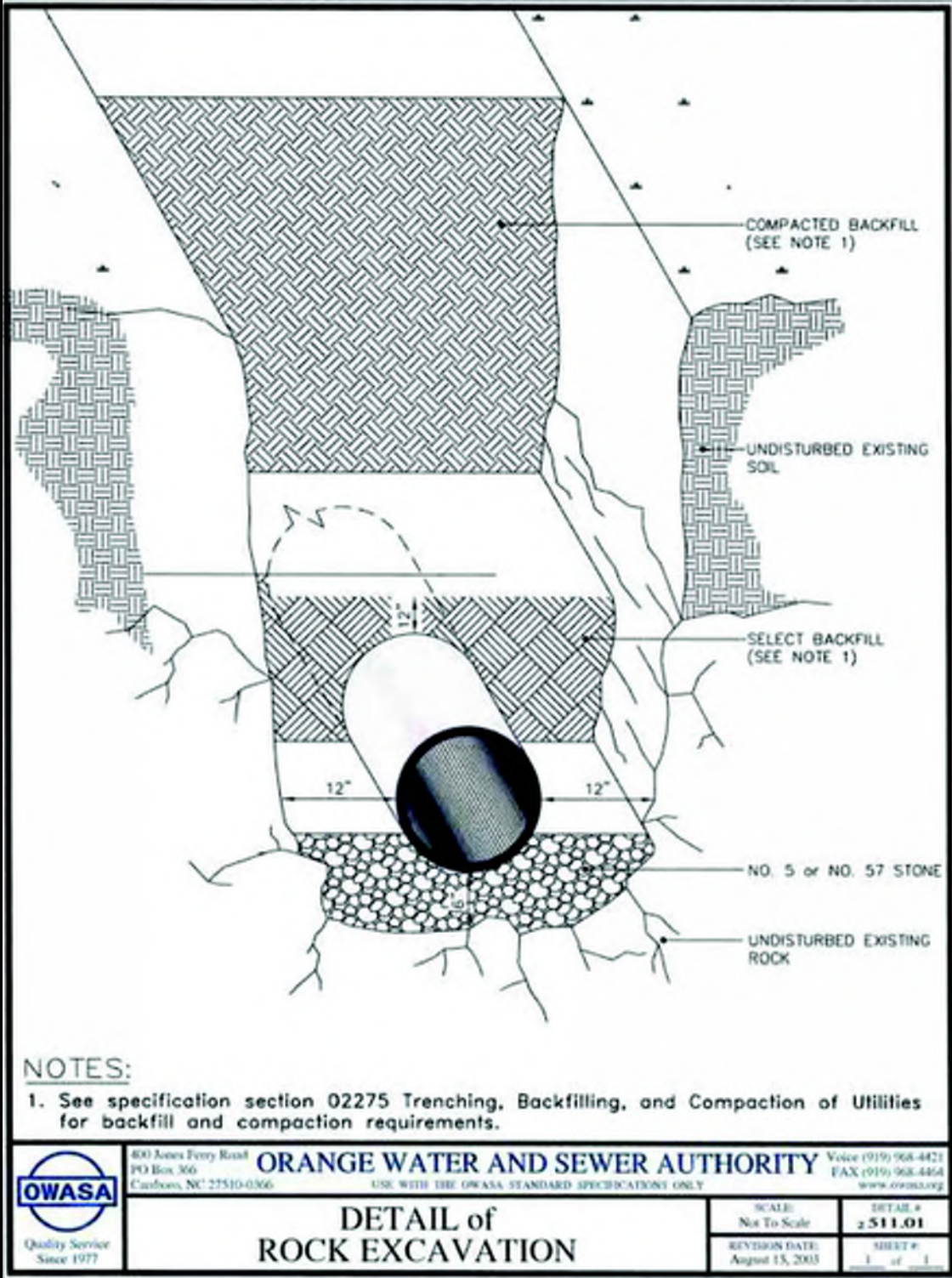
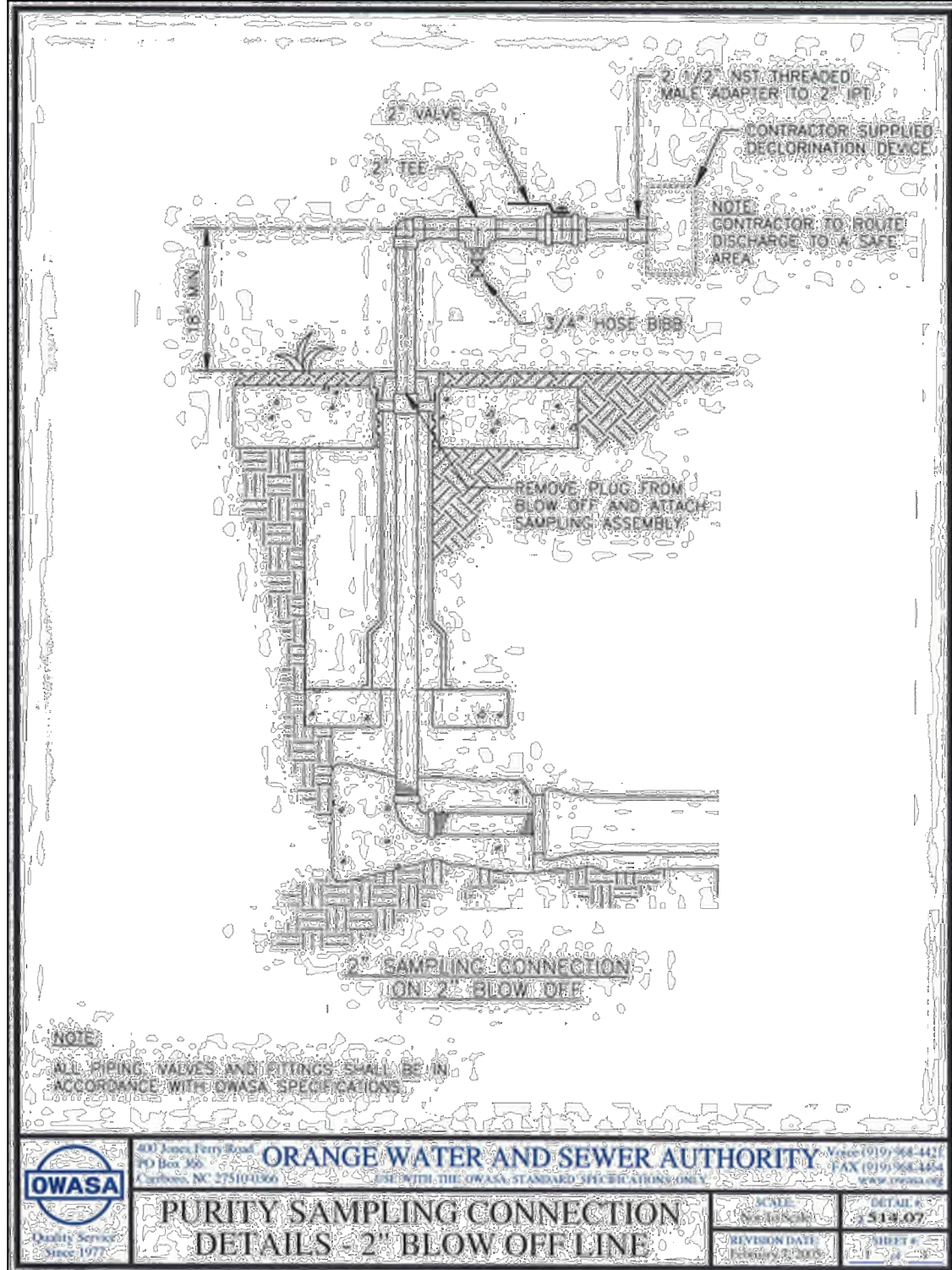
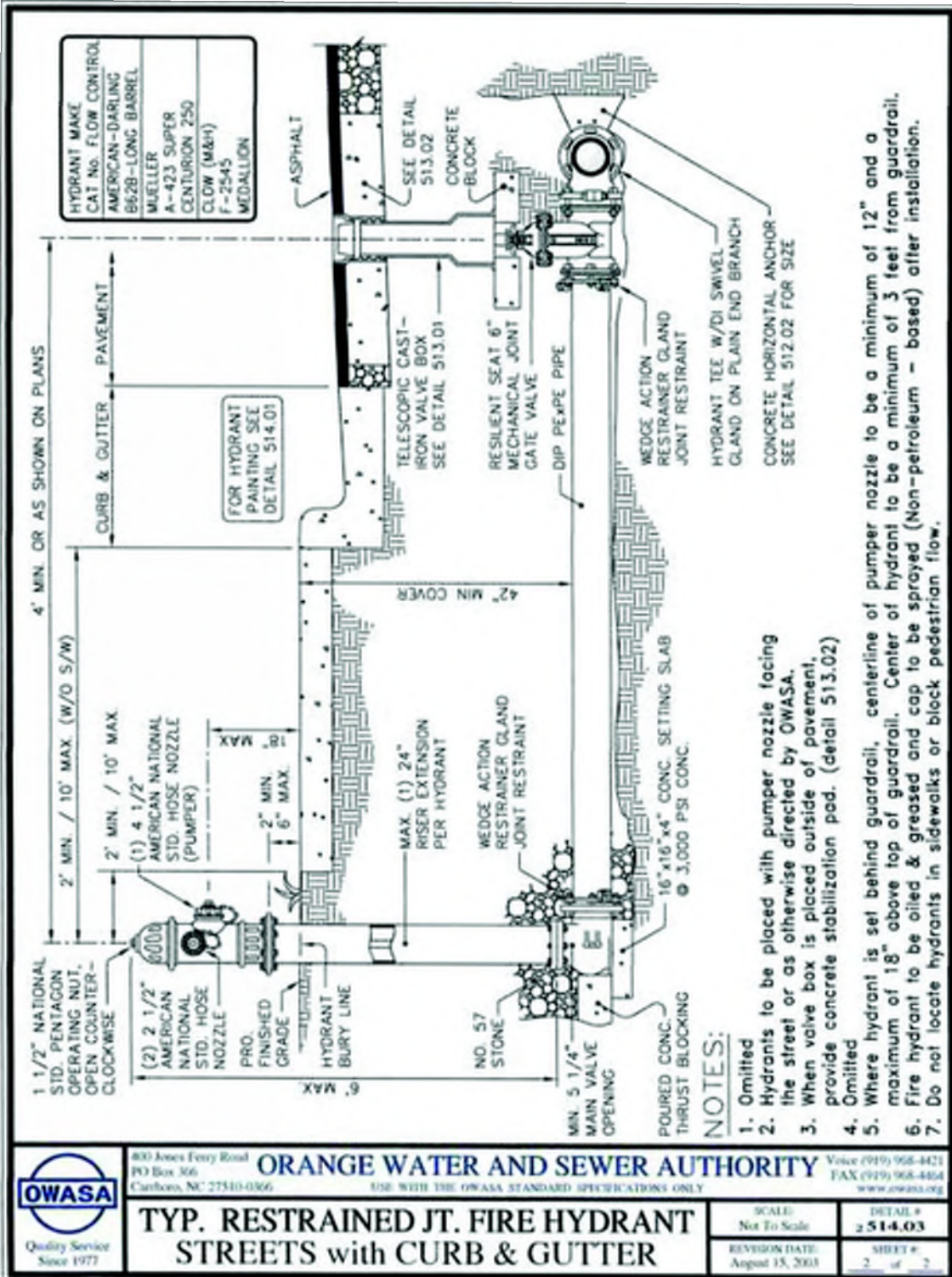
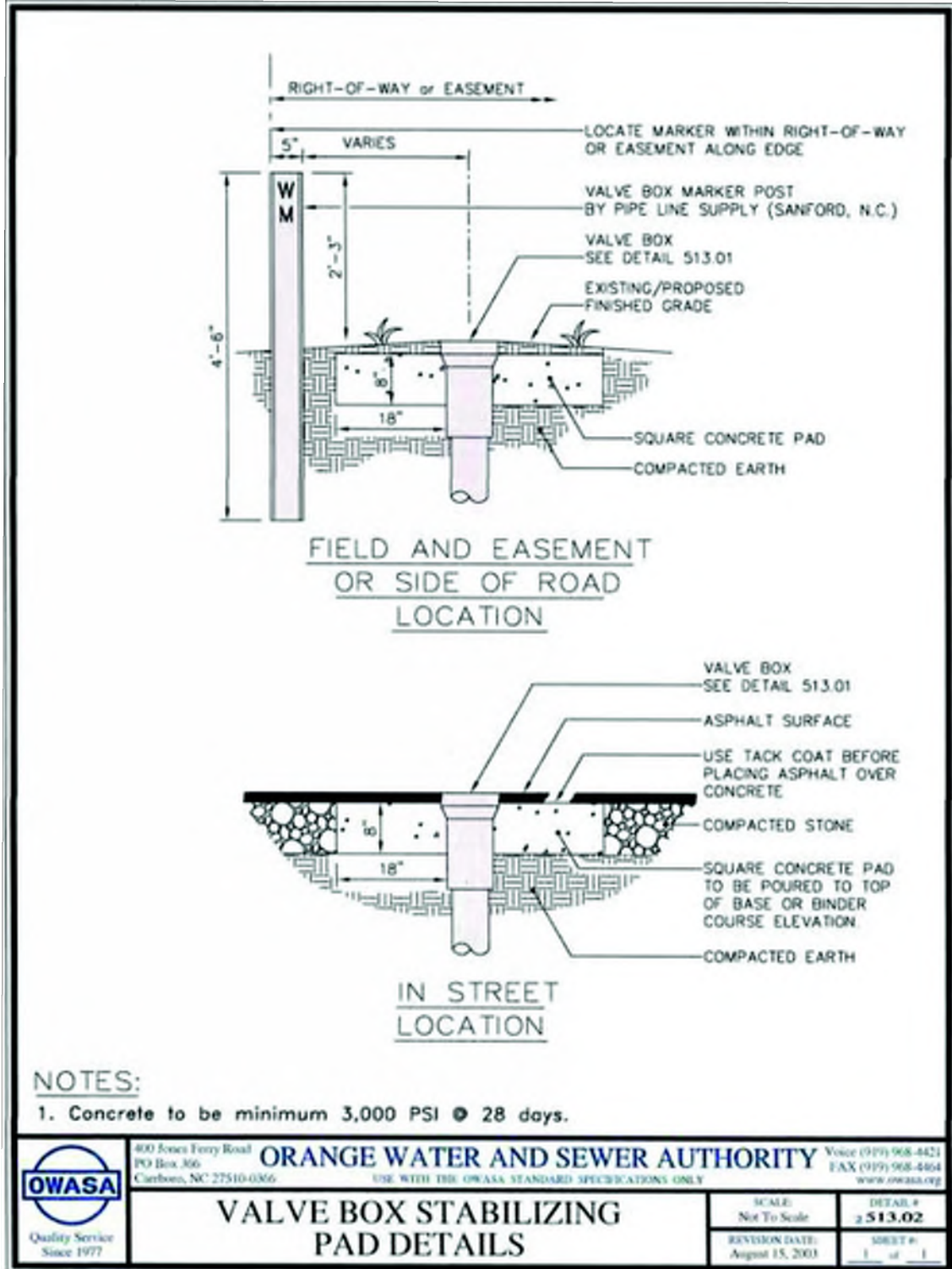
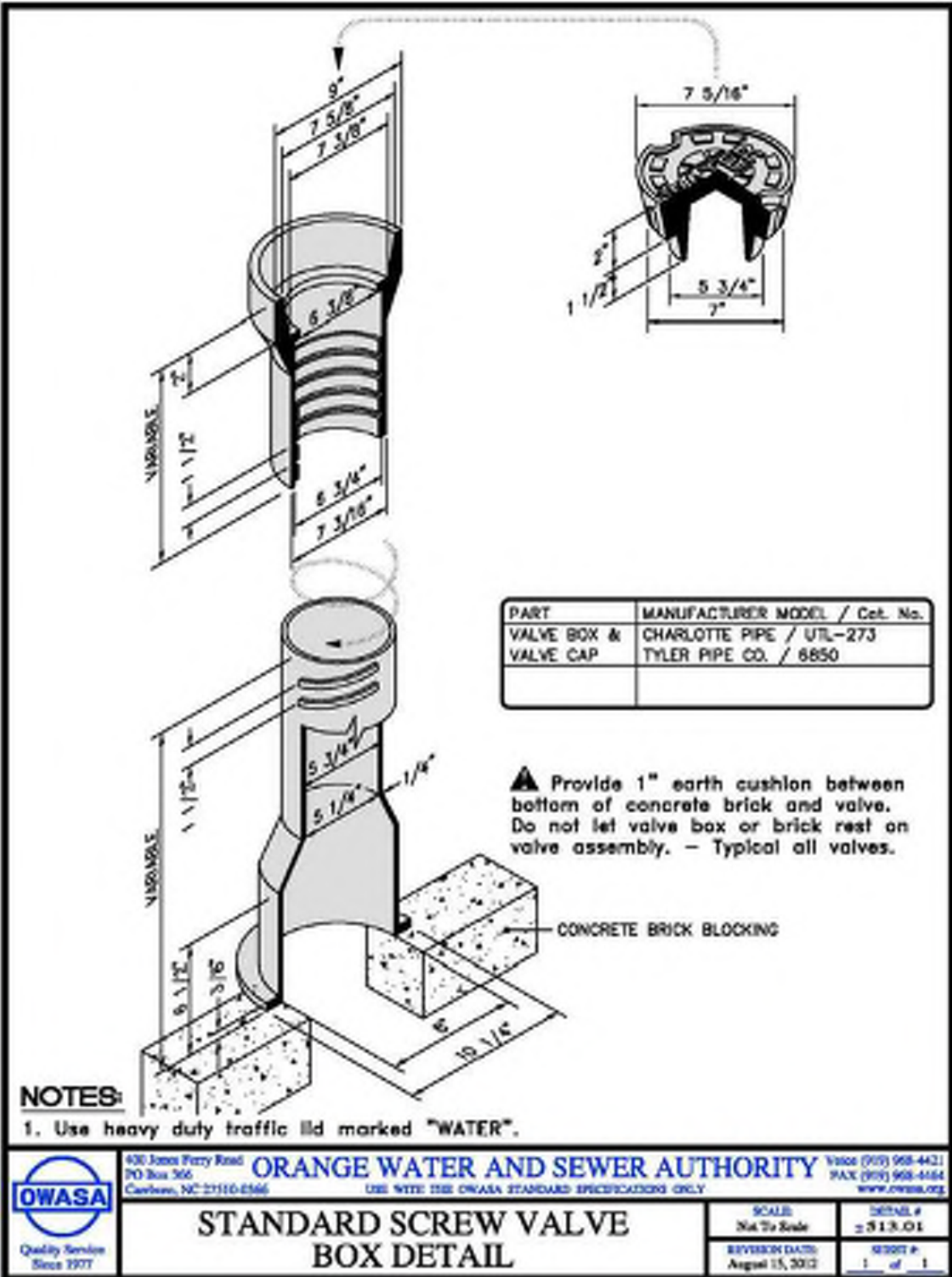


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*MAX BYPASS FLOW IS INTERNAL WEIR FLOW . SITE SPECIFIC ANALYSIS IS REQUIRED TO DETERMINE GRATE INLET FLOW CAPACITY

FILTERRA PEAK DIVERSION - GRATE (FTPD-G) CONFIGURATION DETAIL



DATE	NO.	REVISIONS	BY
4/28/2023	23	PHASE 2 MODIFICATIONS	DTR

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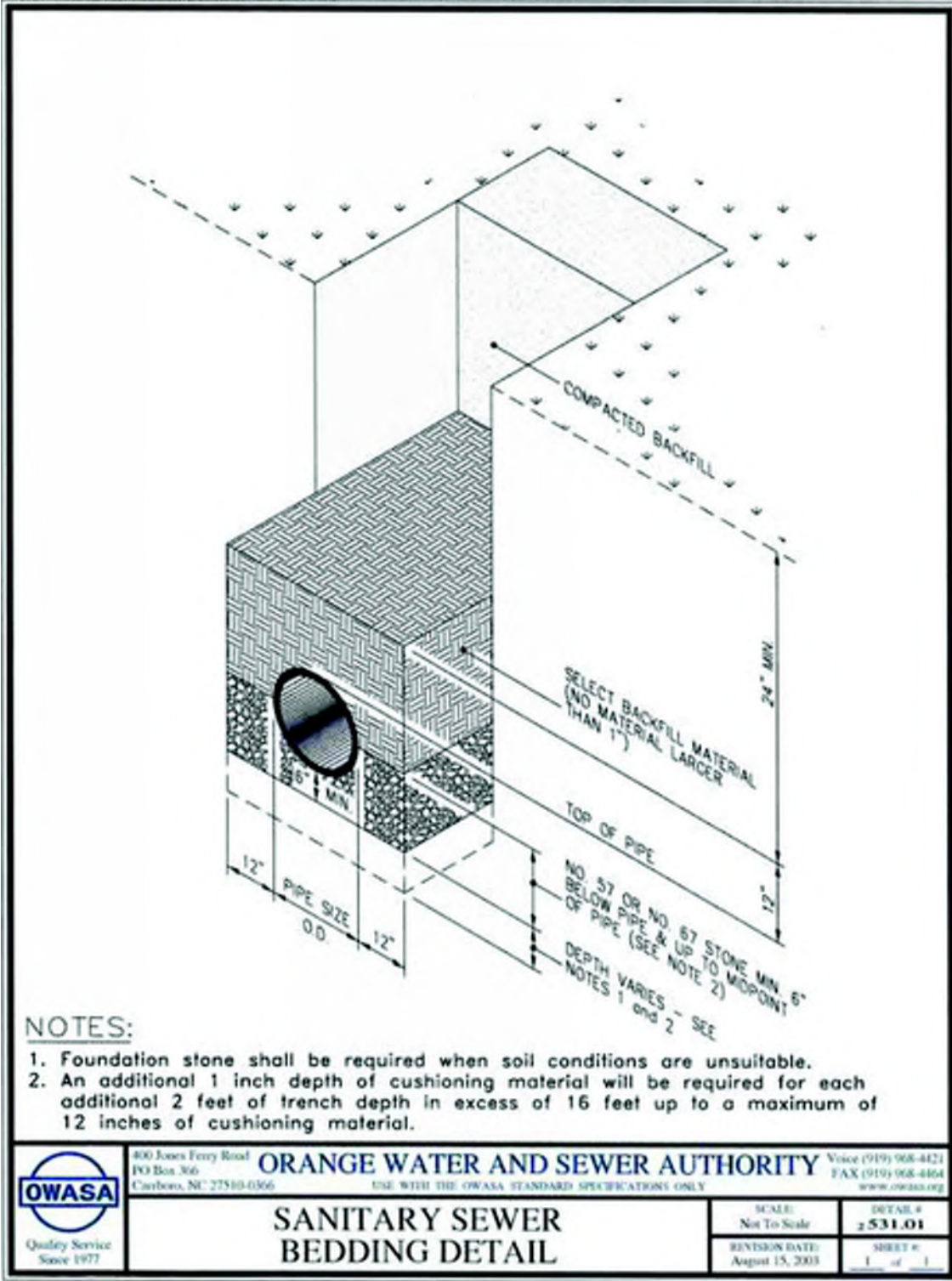
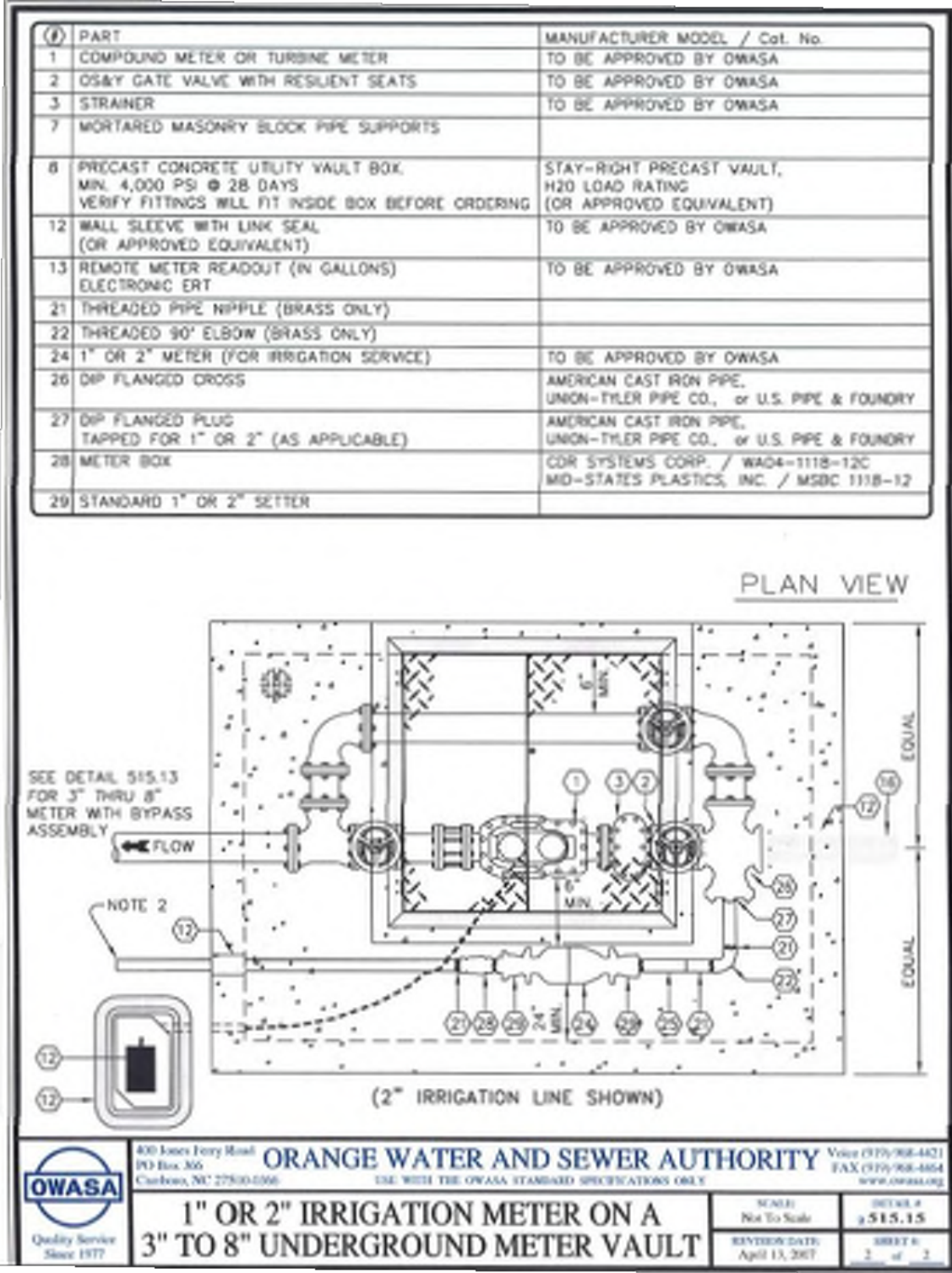
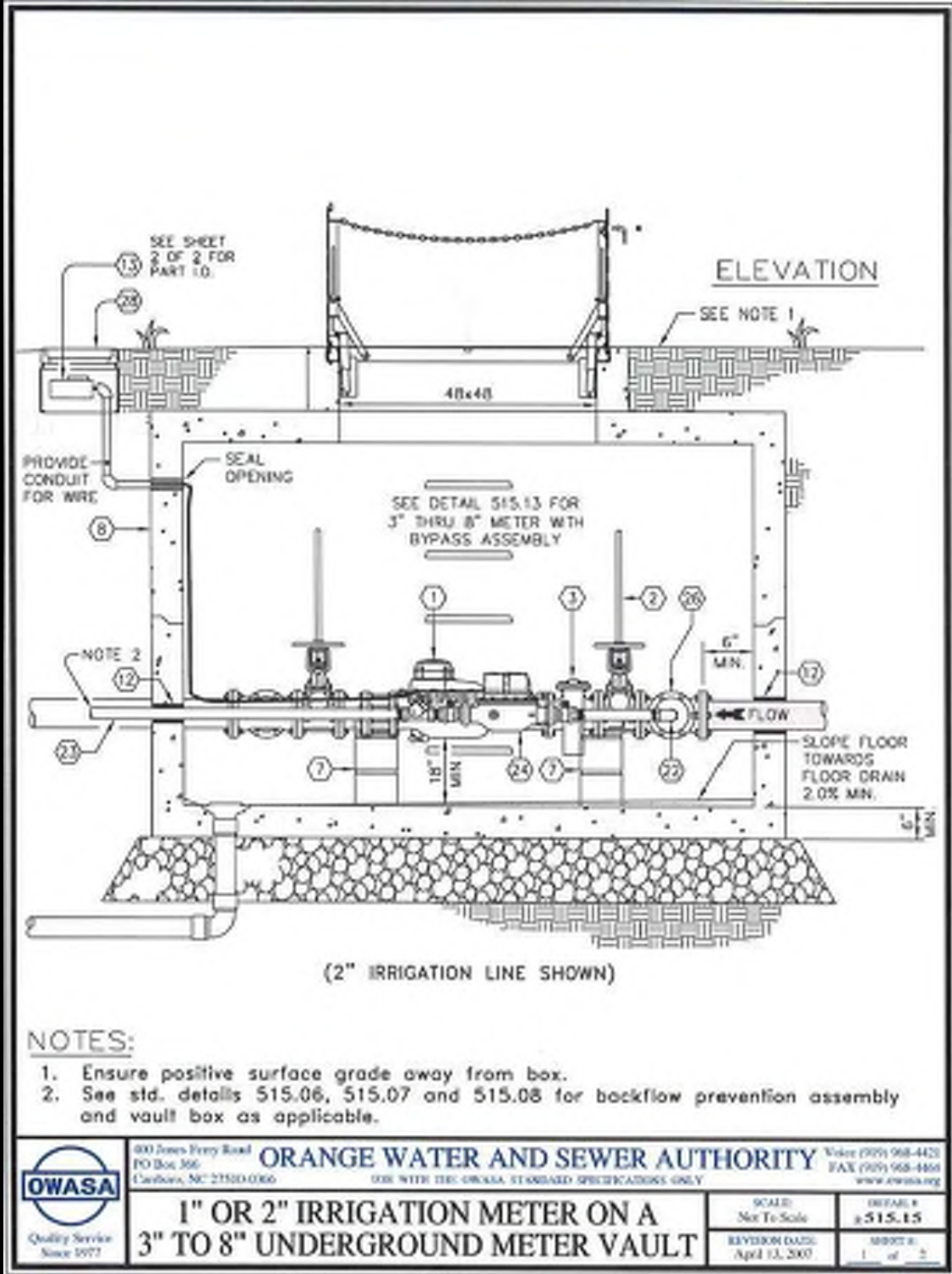
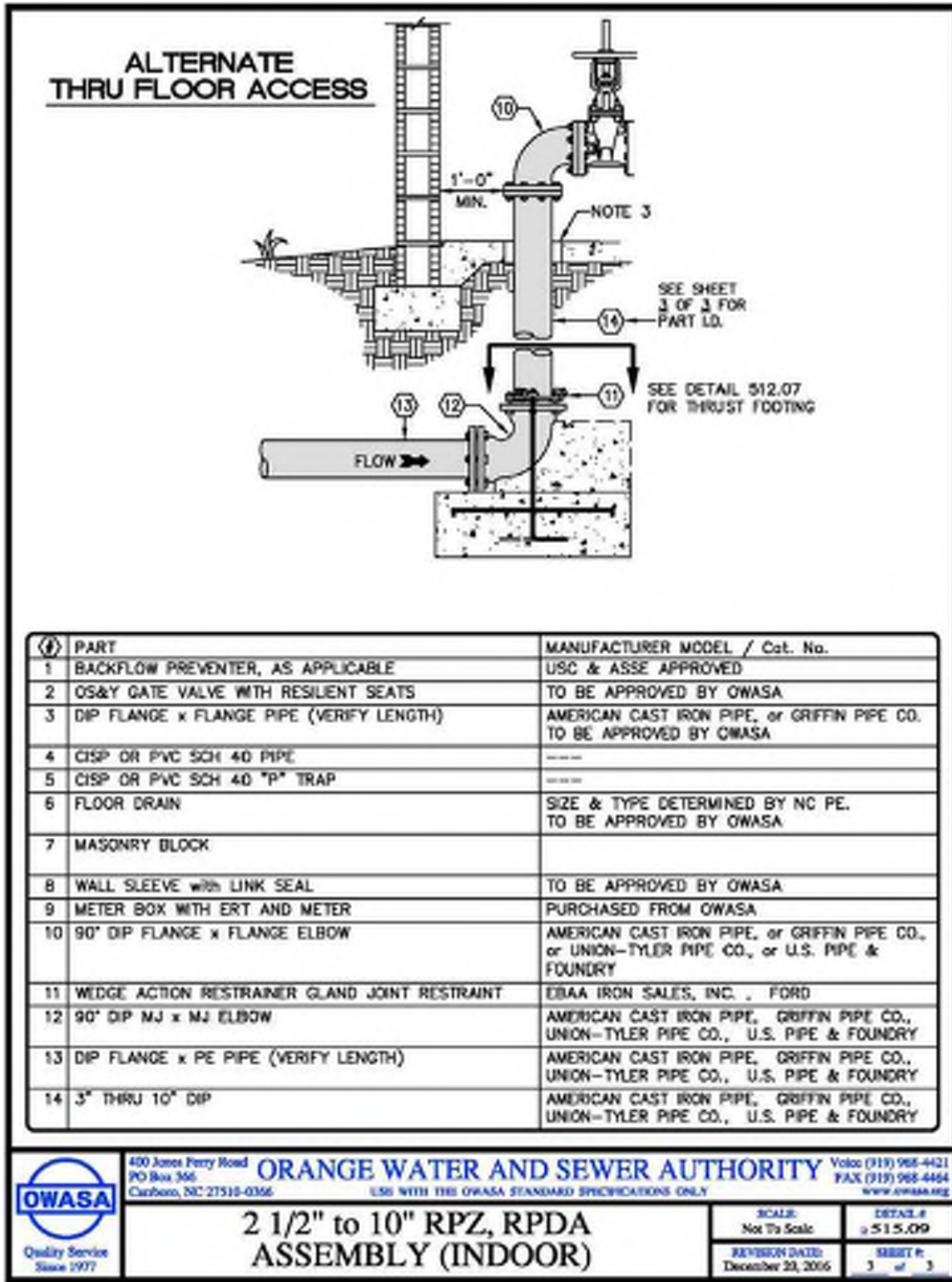
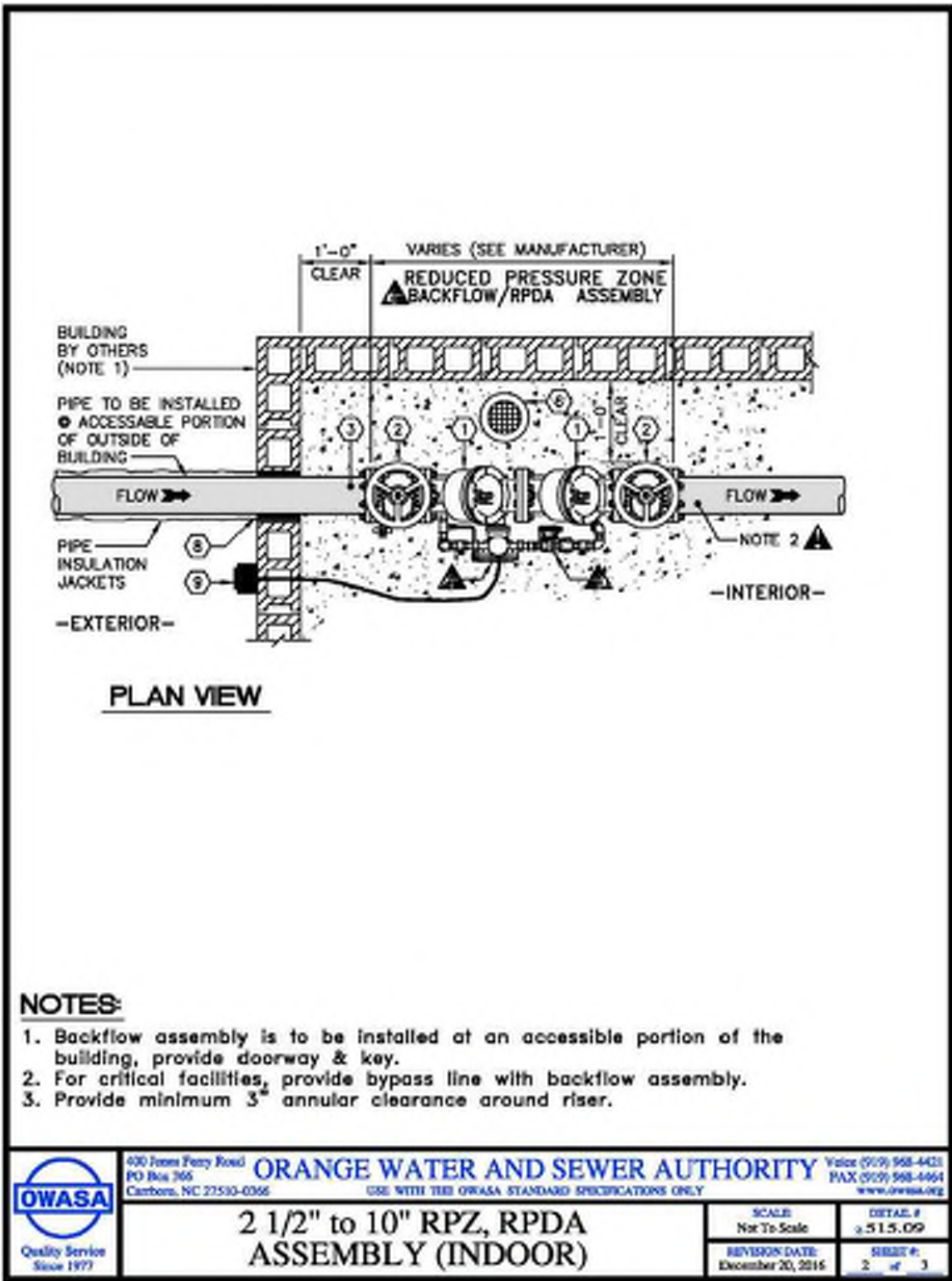
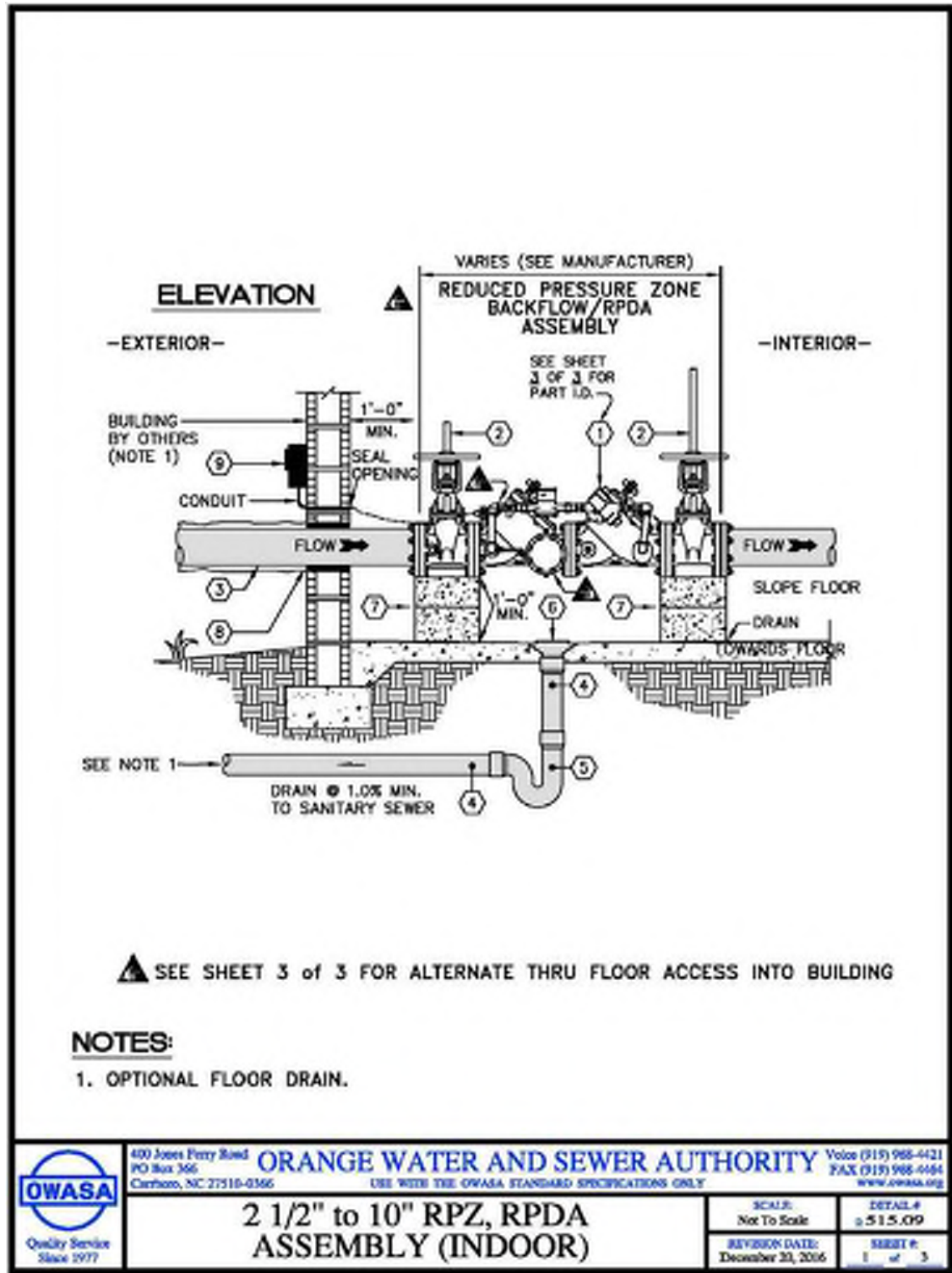
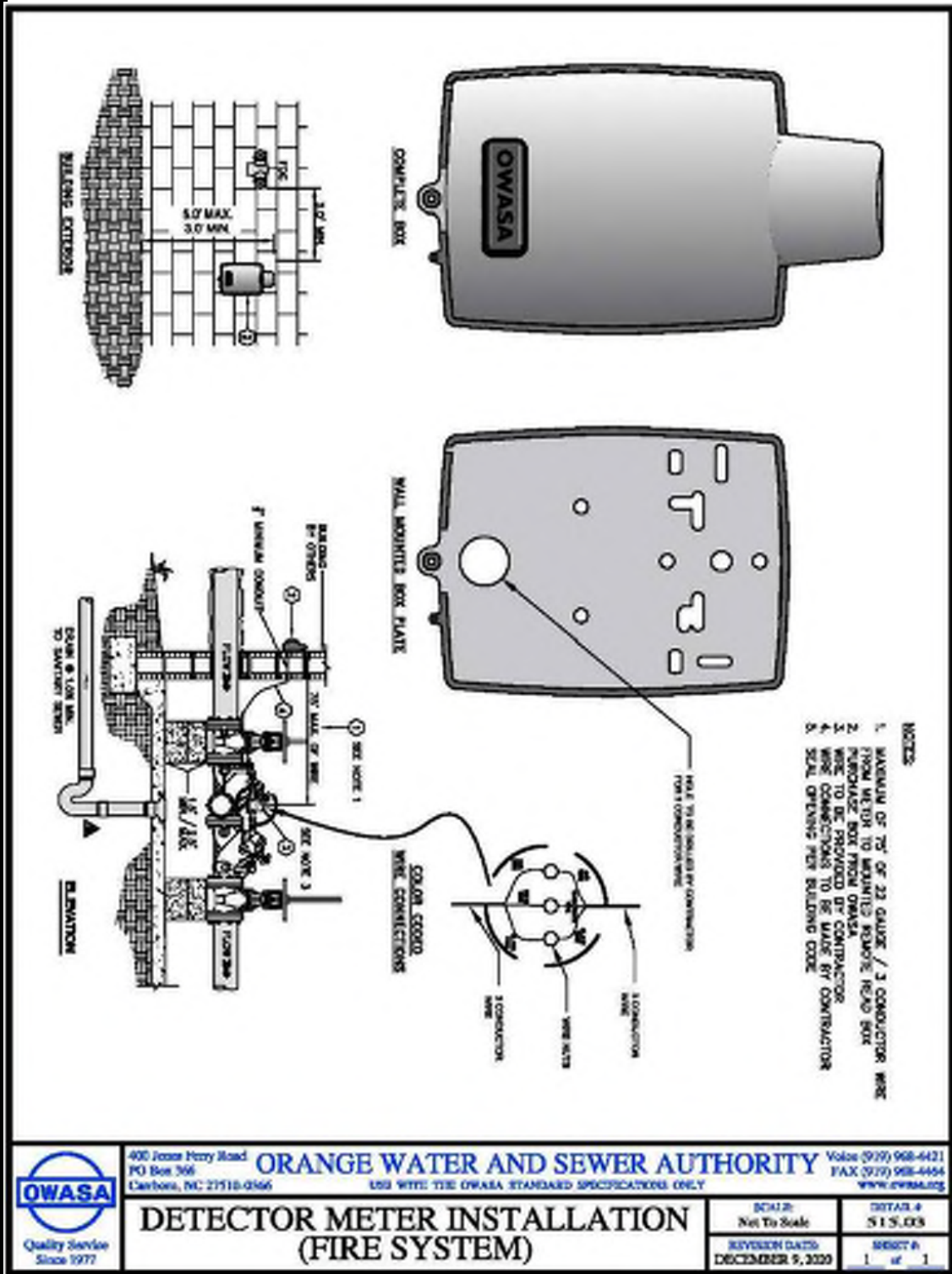
PROJECT RKINV18001

DATE 2018-05-21

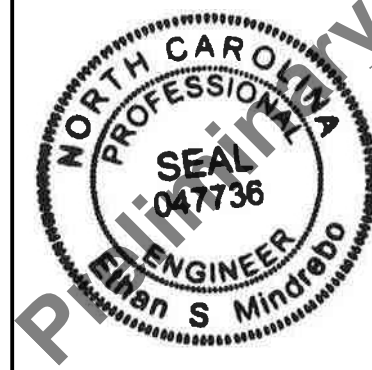
DRAWING SCALE N.T.S.

DRAWN BY RLM/CSB

APPROVED BY ESM



ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR
AND OWNER MUST BE NOTIFIED OF ANY
DISCREPANCIES BEFORE PROCEEDING WITH WORK



TARHEEL LODGING REDEVELOPMENT PHASE 2
1742 FORDHAM BLVD.
CHAPEL HILL, NC

WATER DETAILS

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
6110 FALCON BRIDGE ROAD
CHAPEL HILL, NC 27517

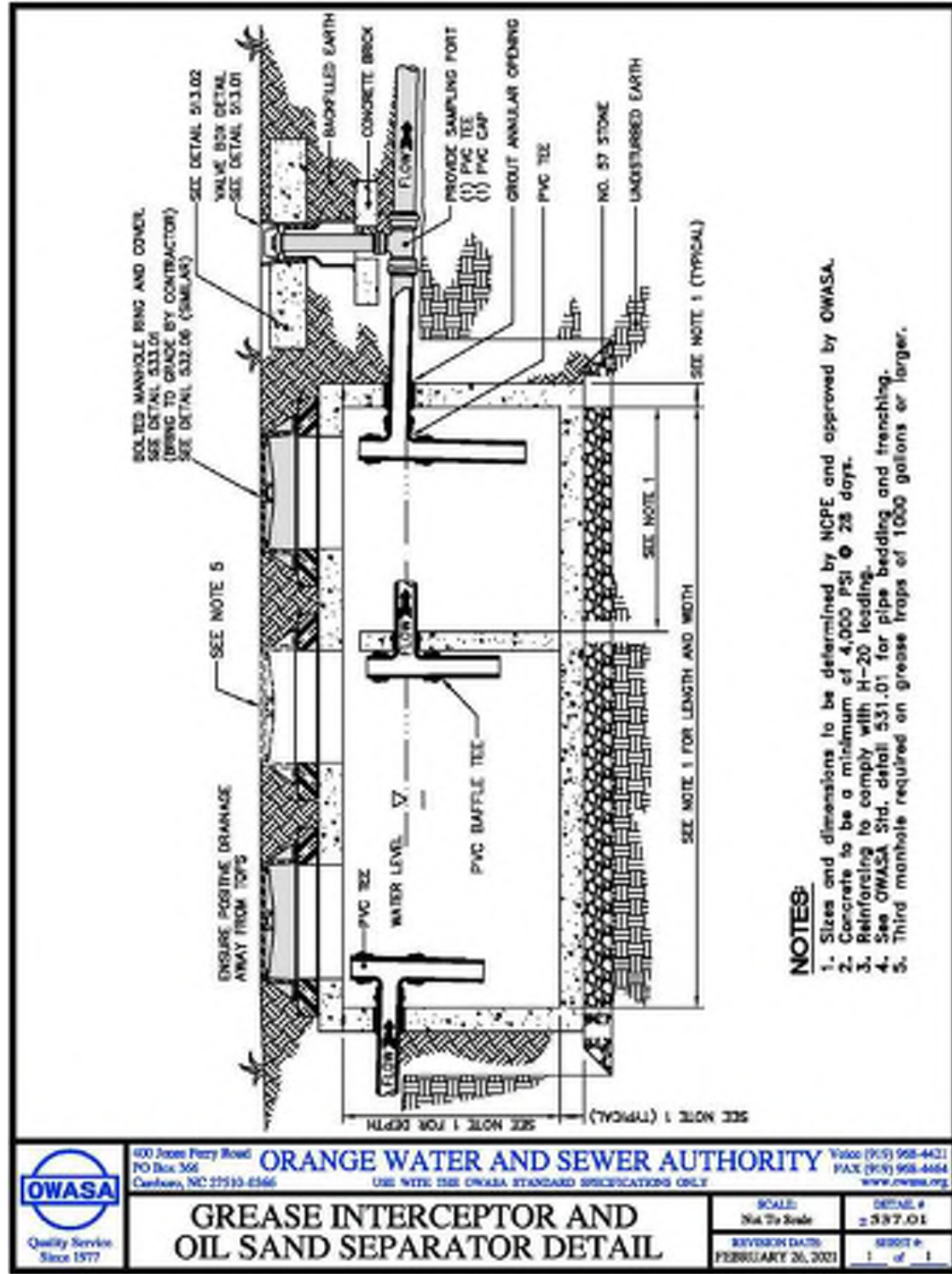
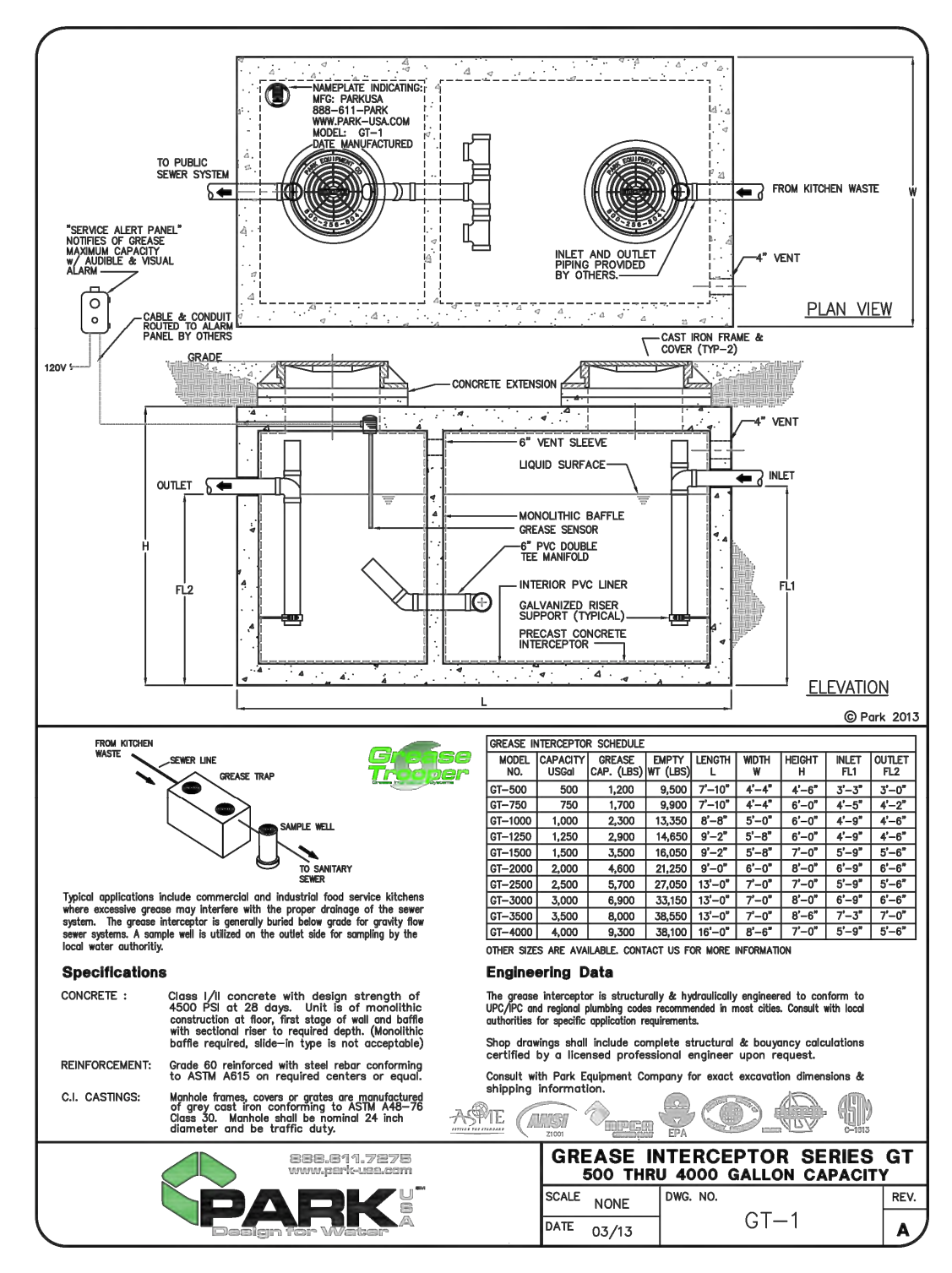
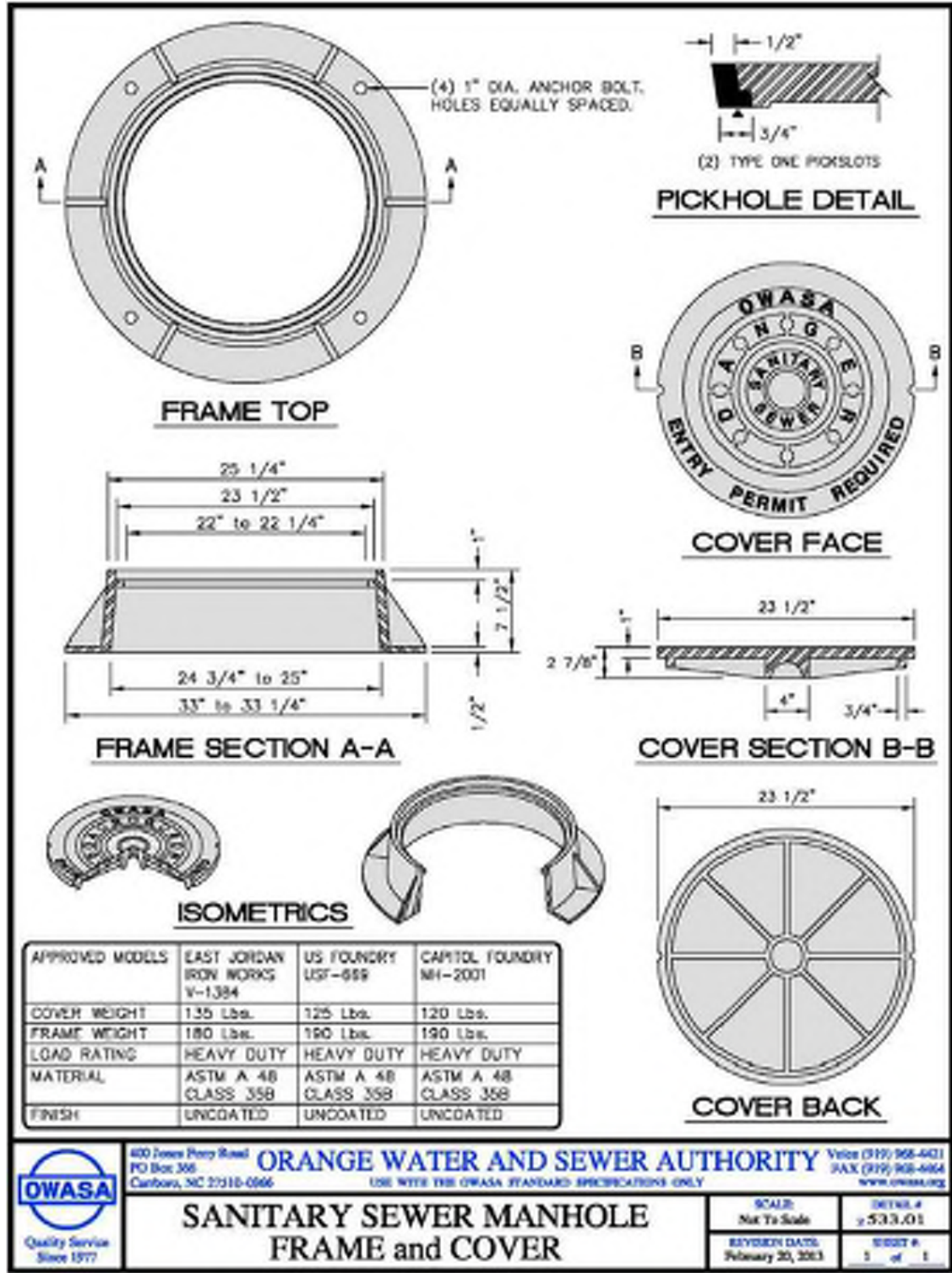
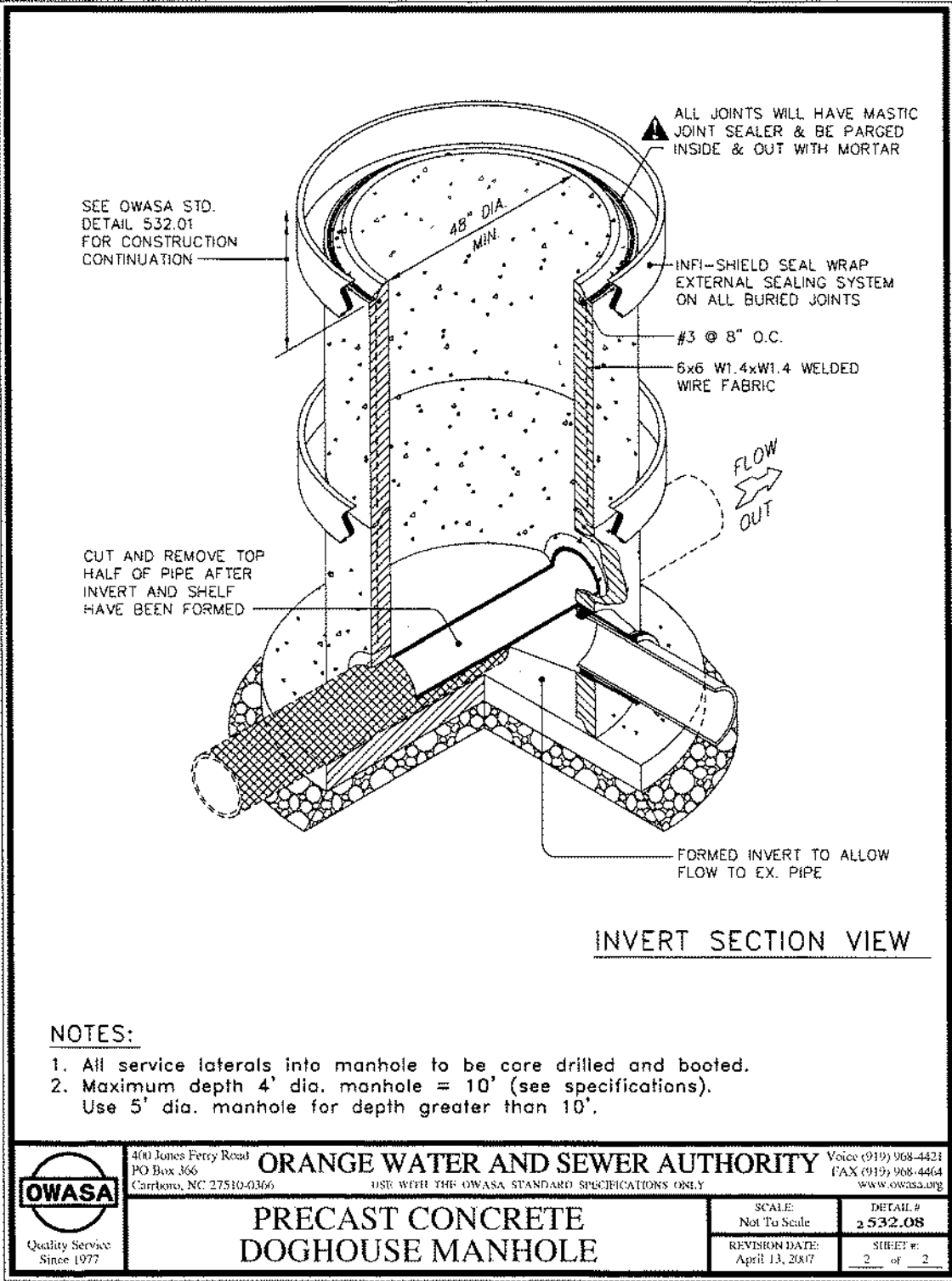
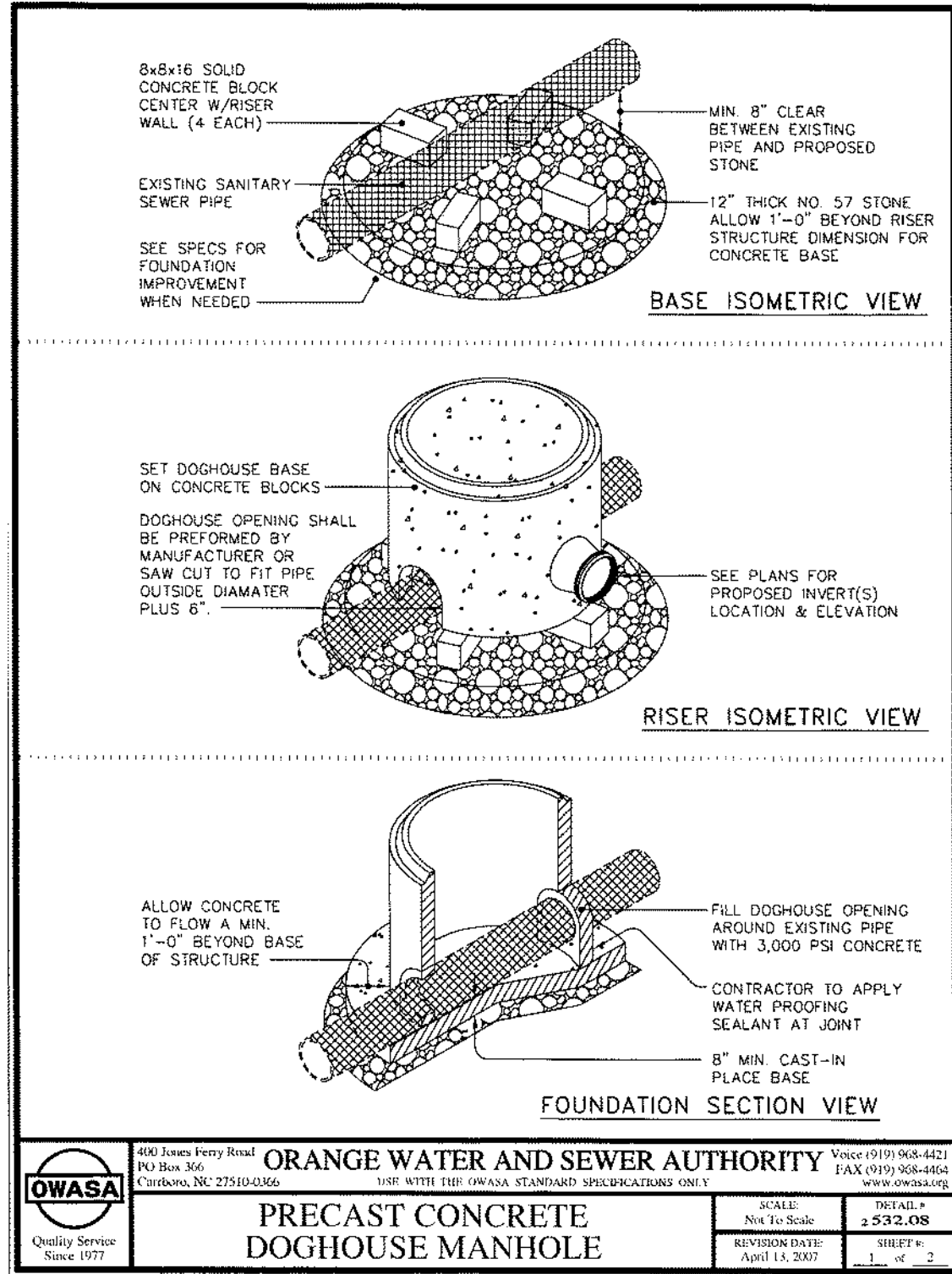
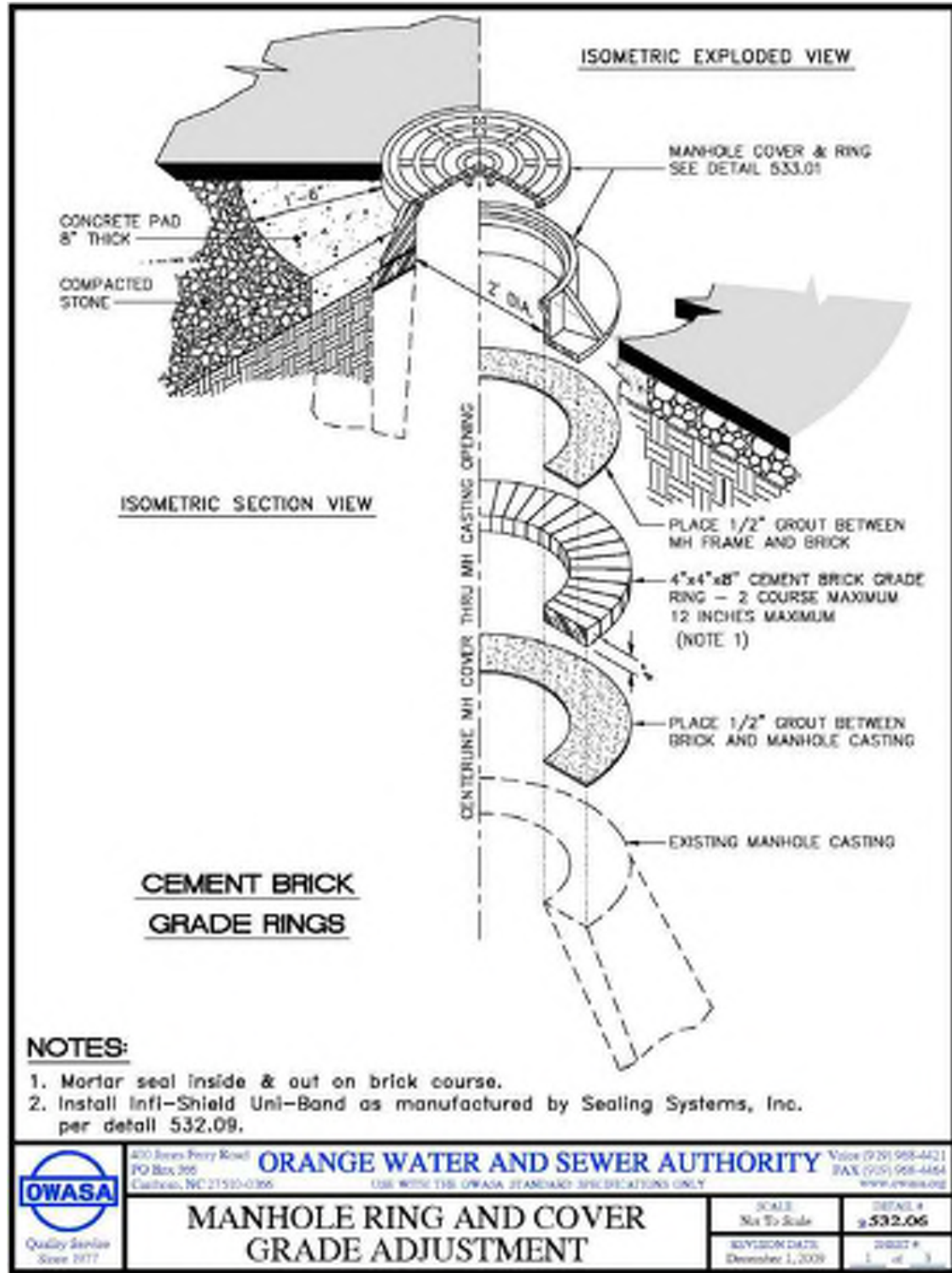
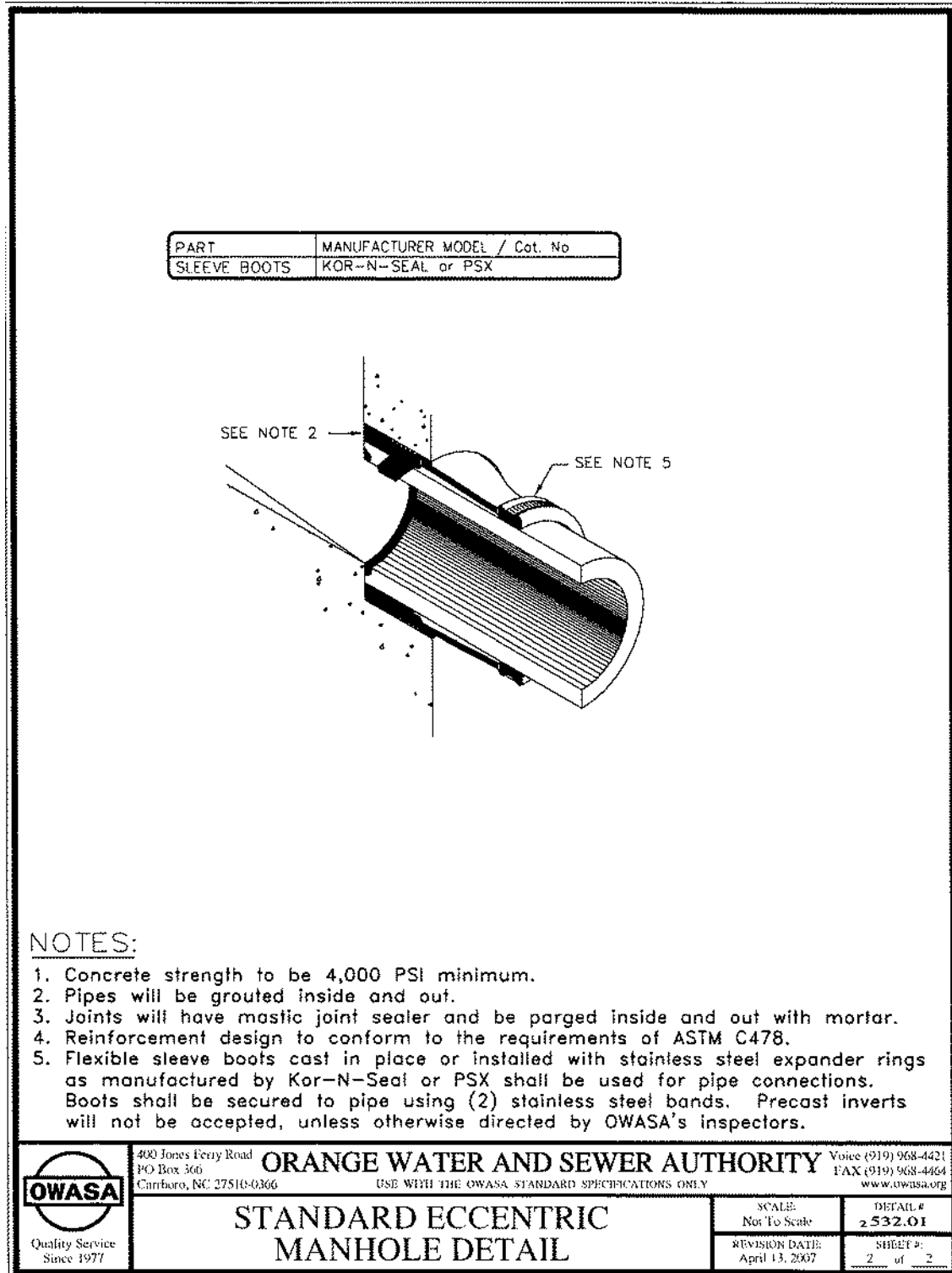
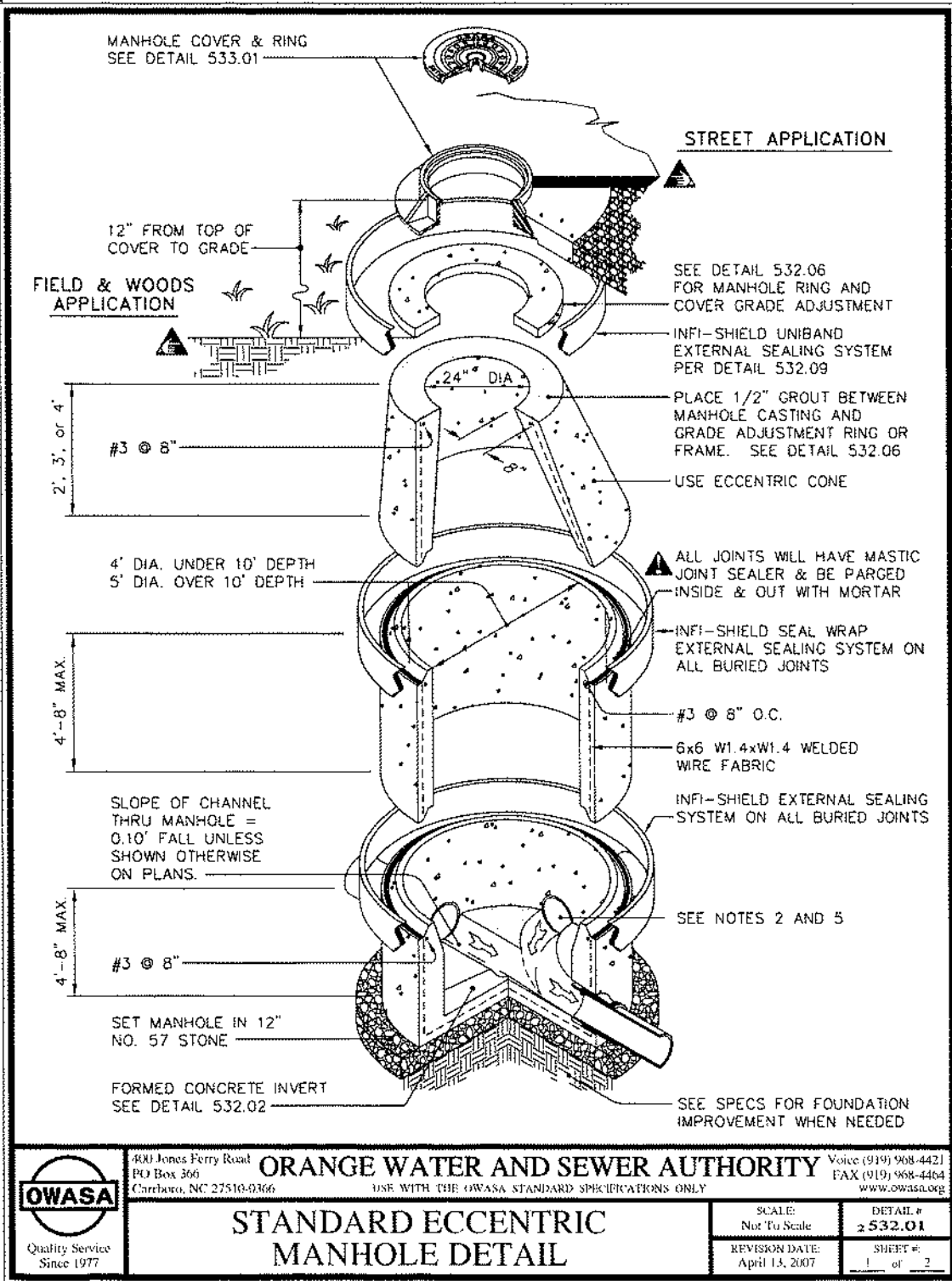
NO.	DATE	REVISIONS	BY
23	4/28/2023	PHASE 2 MODIFICATIONS	DTR

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ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND
EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PROJECT	RKINV18001
DATE	2018-05-21
DRAWING SCALE	1" = 40'
DRAWN BY	RLM/CSB
APPROVED BY	ESM

CS6042
SHEET 31 OF 39

U:\Account\RKIN\RKIN\18001 - Hotel Stn. Chapel Hill Section - SHEET SANITARY DETAILS.dwg PLOTTED: 6/16/2023 11:38 AM BY: Justin Thibault PROJECT STATUS: PROJECT STYLE: Pennoni V03.00



Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boynton, VA 23917
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

Project:

Tarheel Lodging Redevelopment

Chapel Hill, North Carolina

Developer:

Tarheel Lodging, LLC and Unicorn Group Fifteen, LLC

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title::

Streetscape Details

1. All Handrails Shall Comply With NC Building Code And Applicable ADA Standards.
2. Handrails Components To Be 1-1/4" Steel Pipe.
3. Powder Coat All Handrails - Silver or Semi-Gloss Black (TBD)
4. Contractor Shall Submit Color Samples For Final Selection.
- Handrail Shall Not Encroach Into Existing Walkway
- 12" + WIDTH OF TREAD
- 34" MIN. / 38" MAX.
- 1" MIN. / 1" MAX.
- 16" MIN.
- 34" MIN. / 38" MAX.
- 1" MIN. / 1" MAX.
- 1/2" R.
- 1" MIN. / 1" MAX.
- 1" MIN. / 1" MAX.
- 1/2" Perimeter JT. Filler
- #4 Rebar @ 12" O/C E.W.
- Trowel In Carborundum Grit At Each Tread
- 3500 Psi Concrete Base
- 4" Compacted Aggregate Base If Reqd. By Site Soils Engineer
- Notes
1. All Stair And Handrail Construction Shall Conform To NC Building Code Standards.
 2. Final Number Of Risers Will Vary. See Layout and/or Grading Plans For Exact Elevations And Number Of Risers and Intermediate Landings.
 3. Alternate Handrail Design May Be Substituted Provided All Dimensional Standards Conform To NC Building Code As Noted Above.
 4. Depressions Around Posts Are Not Allowed.
 5. Set Top Of Non-Shrink Grout 3/8" Above Pavement/Step Surface And Taper To Pavement/Step Surface.
 6. Handrails Are Required On Both Sides Of Stairs. Maintain 48" Clear Width Unless Noted Otherwise On Site Plan
 7. The Full Extent Of Removal And Replacement Of Existing Adjacent Walks Is Unknown. Reinforce Subgrade At Connections To Existing Walks To Prevent Differential Settling. Helical Ground Screws, Posts or Soil Reinforcement May Be Required To Insure Adequate Support.

1 SECTION THRU CONCRETE STEPS

1/2" = 1'-0"

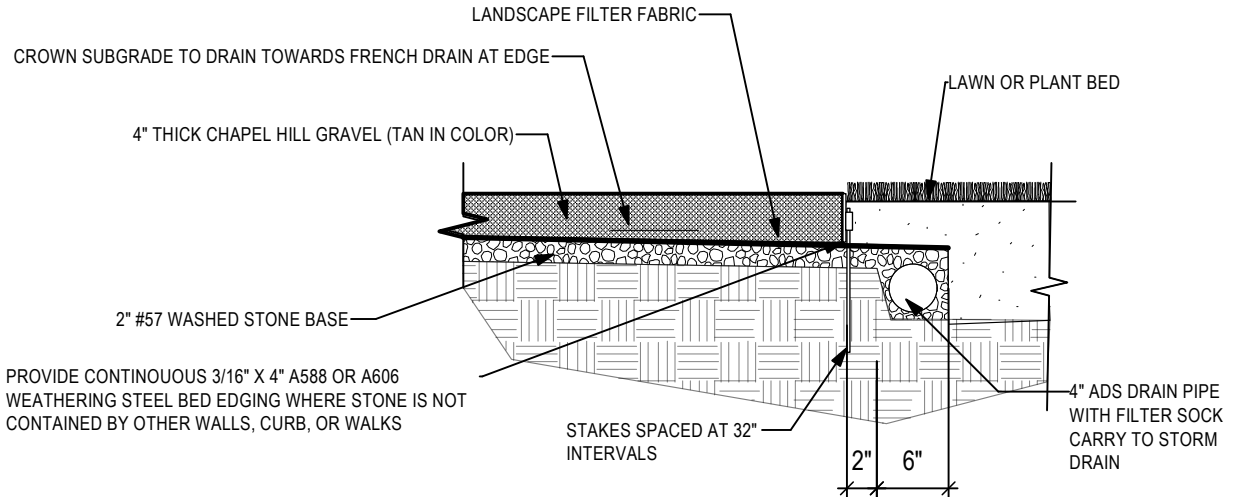


Provide (1) Waste and (1) Recycle Receptacle Together within 5' of All Benches within ROW, Spaced No More than 200' Apart as Shown on Streetscape Plans. Recycle Receptacle Shall Have Blue Recycle Label Affixed to Top of Receptacle.

Manufacturer: SiteScapes-Cambridge CM2-1002-SF
Per TCH Requirements - SS Finish

5 WASTE & RECYCLE RECEPTACLE

nts



2 SECTION THRU CHAPEL HILL GRAVEL SURFACE

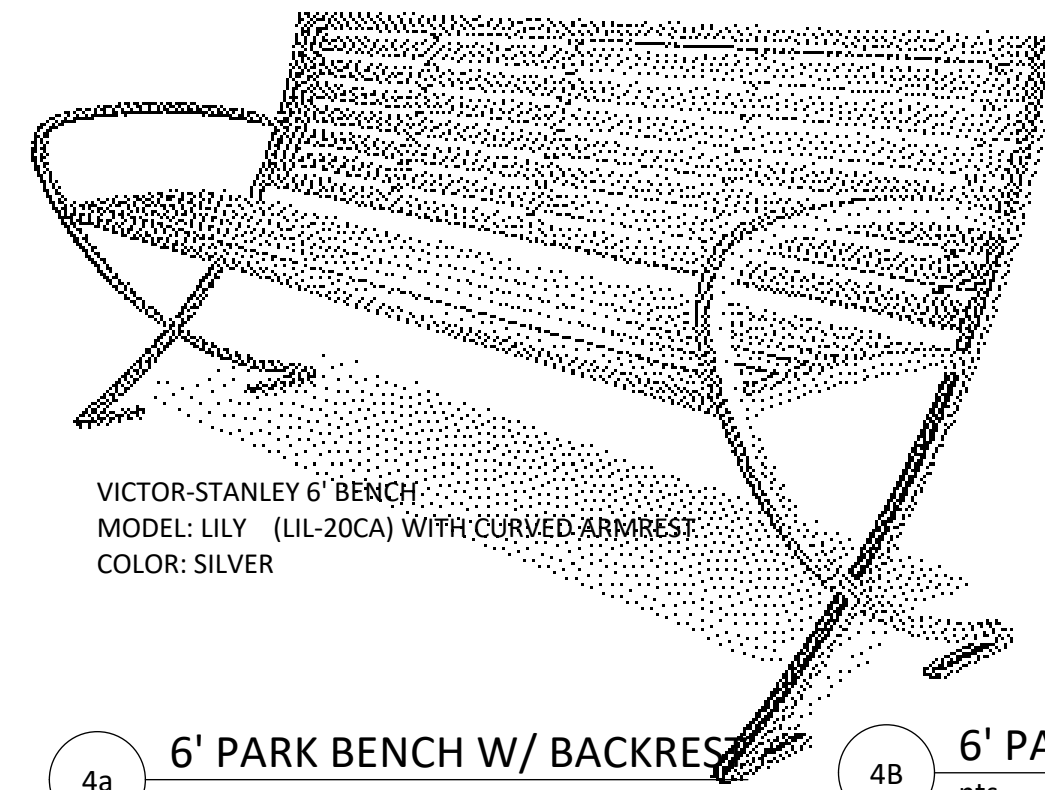
3/4" = 1'-0"



8" Concrete Scoring Band Detail per TCH Stand

3 SIDEWALK SCORING PATTERN

nts



VICTOR-STANLEY 6' BENCH
MODEL: LILY (LIL-20CA) WITH CURVED ARMREST
COLOR: SILVER

4a 6' PARK BENCH W/ BACKREST

nts

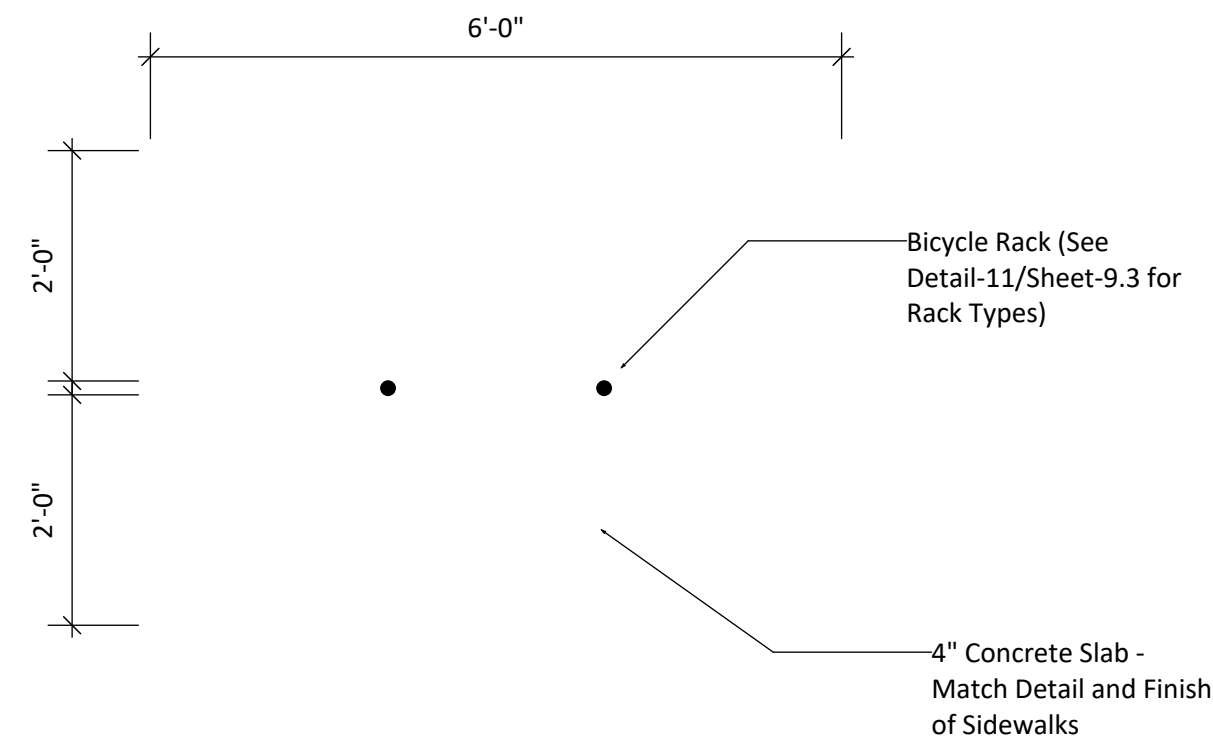
4B 6' PARK BENCH WO/ BACKREST

nts

Off-Street Racks May Substitute 1-1/2" Inverted-U Pipe Rack - See Detail 4/C9.2 for Space Layout

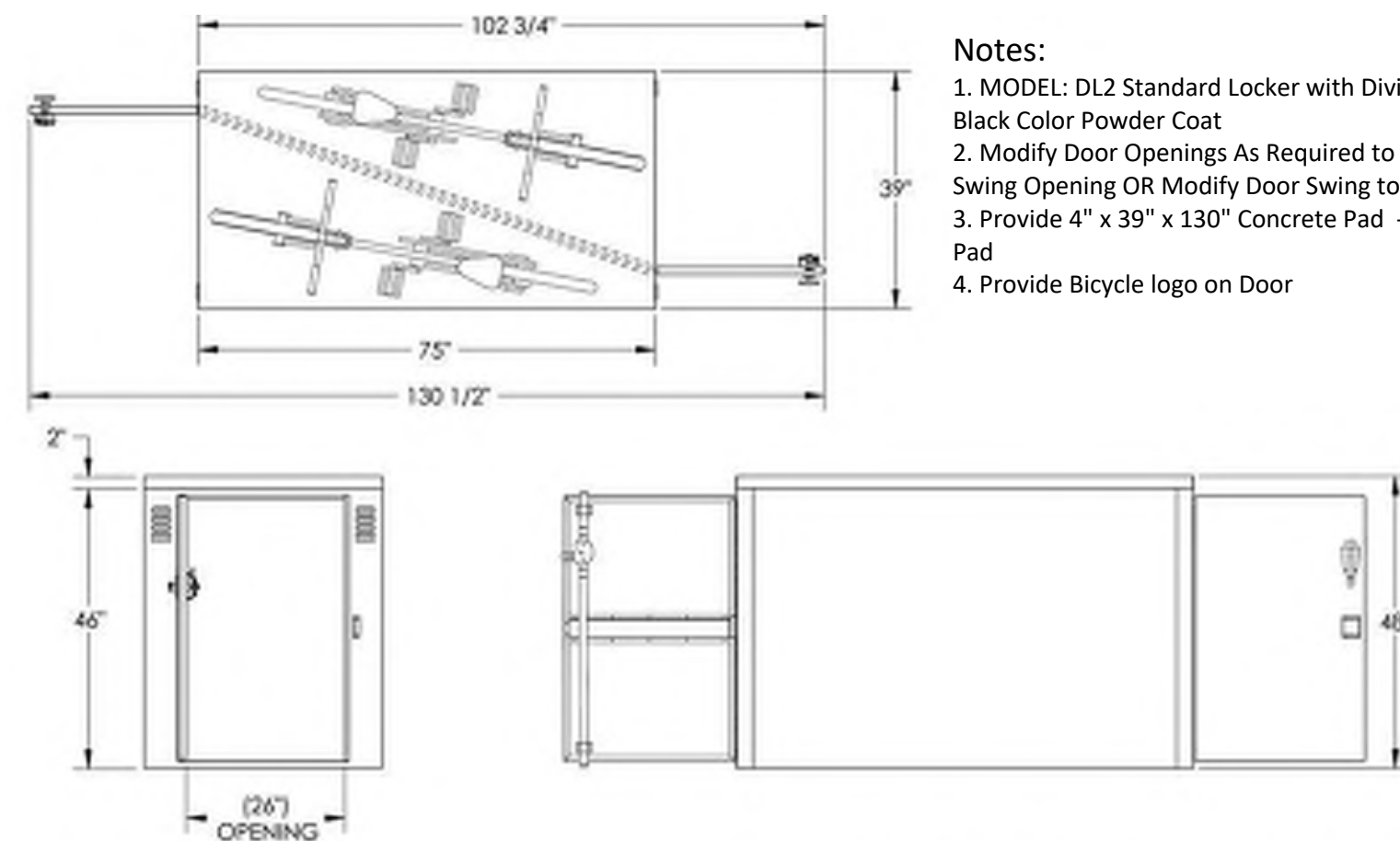


Manufacturer: Forms & Surfaces
Per TCH Requirements
Finish: Black



7 Short-Term Bicycle Rack & Layout

Scale: Actual Size



MODEL: DL2
Standard Locker with Divider Panel
Black Color Powder Coat

www.durabikelocker.com
3790 BRADVIEW DR. - SACRAMENTO, CA 95827
(916) 363-7225 - (800) 722-BIKE (2453)

8 LONG-TERM BICYCLE LOCKER

N.T.S.



TERRA CAST COMMERCIAL PLANTER
Model: Square Footed
Finish : Charcoal
Size: 30" x 30"
info@terracastproducts.com

Note: Round Planters May be Substituted for Square Footed Planters Shown Above

Note: Fill planter bottom with 6" #57 stone. Maintain trees at 15' maximum and thin crown to preserve planter stability.

TerraCast
PRODUCTS

TerraCast Products, LLC
4400 NW 19th Avenue, Suite B
Fort Lauderdale, FL 33305
Office: 305-895-0523 x105
Fax: 305-895-7879

SPECS AT A GLANCE

TOP ID: 60"
TOP OD: 54"
BASE ID: 48"
HEIGHT: 40"
VOLUME: 53.23ft³
WEIGHT: 100LBS.



9 TERRA CAST PLANTERS - LARGE

nts

General Notes

1. All Components Shall be Commercial Grade Heavy-Duty and Black in Color
2. 10 GAL Min. Waste Receptacle
3. All Metal Components, Other Than Support Post, Shall be Powder Coated Steel or Aluminum. Support Post Shall be Powder Coated Steel or Galvanized Steel Painted to Match Other Components.
4. Final Equipment Selection May Vary Depending on Tenant Operations and Maintenance Preferences. Consult O&M Staff Before Ordering.



10 DOG WASTE RECEPTACLE

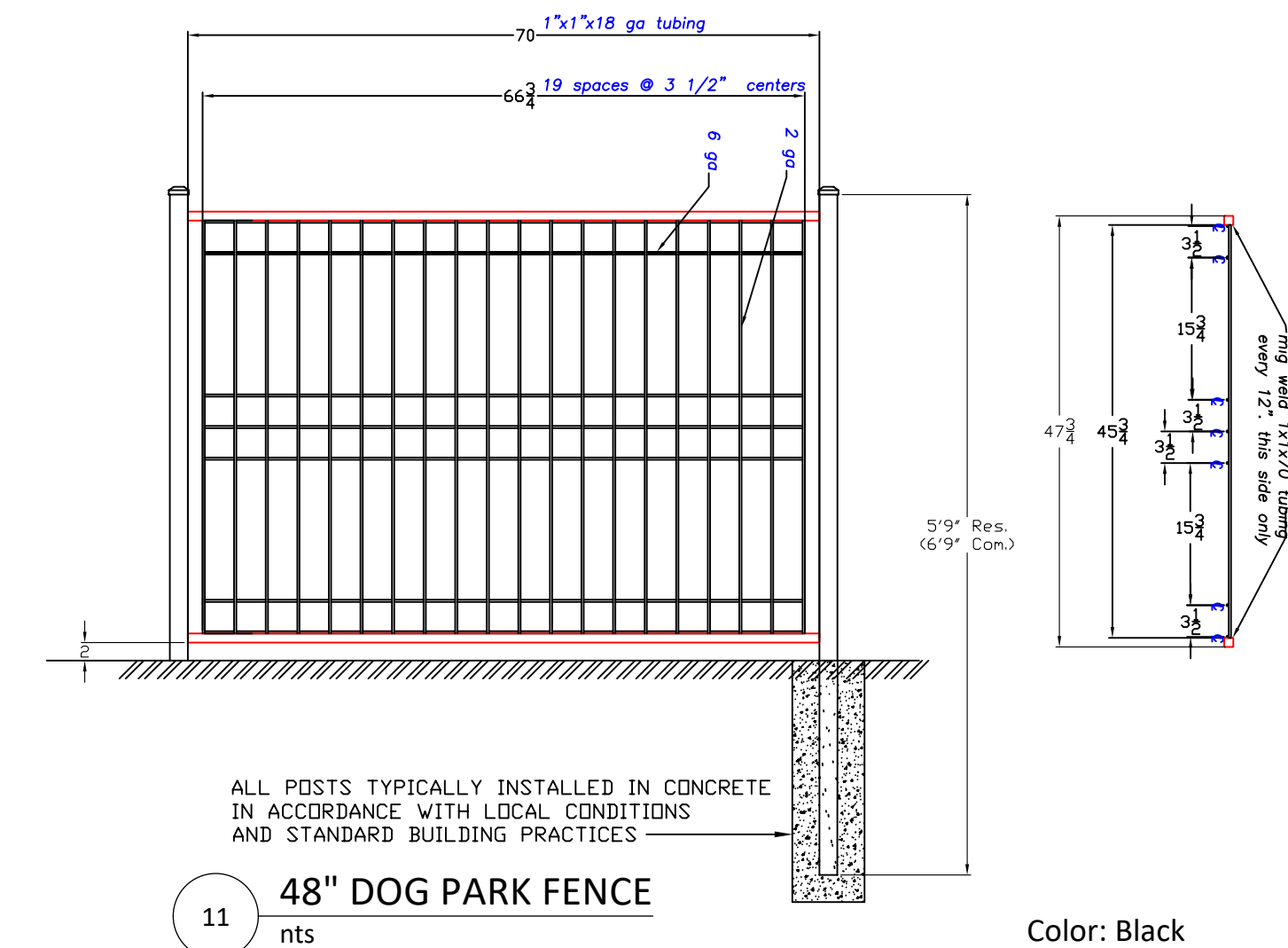
nts



Bocce Ball Rack and Balls by Bocce Masters
www.Boccemasters.com (or equal)

12 BOCCE BALL RACK

nts



11 48" DOG PARK FENCE

nts

Color: Black

Copyright 2008
JERITH RESIDENTIAL STRENGTH
ORNAMENTAL STEEL FENCE
GAUGE- 48" HEIGHT
JANUARY 2008
The Standard
may be obtained
at the discretion of
Jerrith Manufacturing Co., Inc.
JER4862

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Scale:

Date:
August 27, 2019

Drawn By:

STM

Drawing No.:

na

CS7001

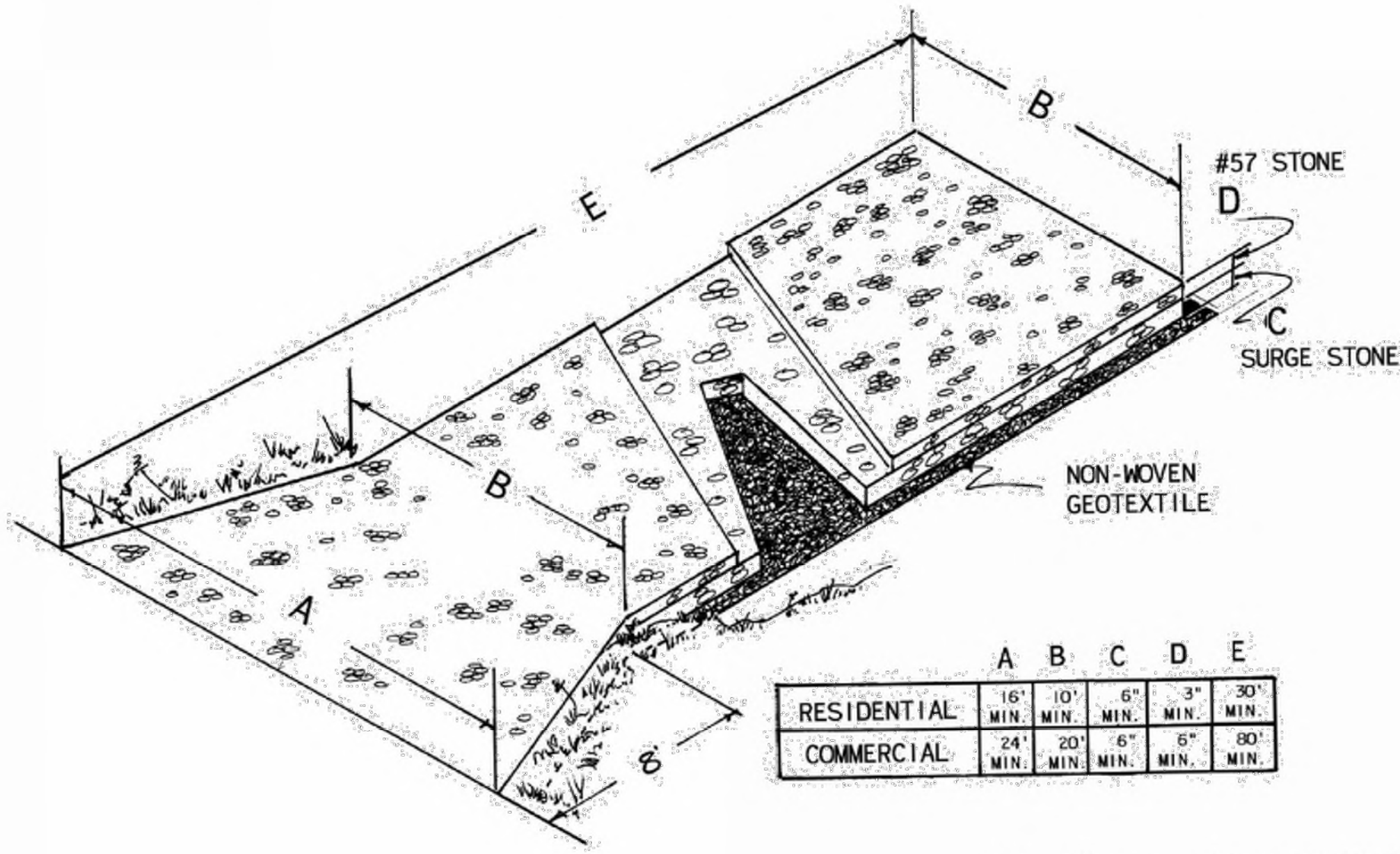
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Date:	
August 27, 2019	
Drawn By: STM	
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GRAVEL CONSTRUCTION ENTRANCE NOTES:

- ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
- CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE DIRECTLY DISCHARGED OFF-SITE.
- LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEEP AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
- EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
- CONTRACTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.
- IF EXIT BMP IS STILL INEFFECTIVE, GC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

GRAVEL CONSTRUCTION ENTRANCE
NOT TO SCALE

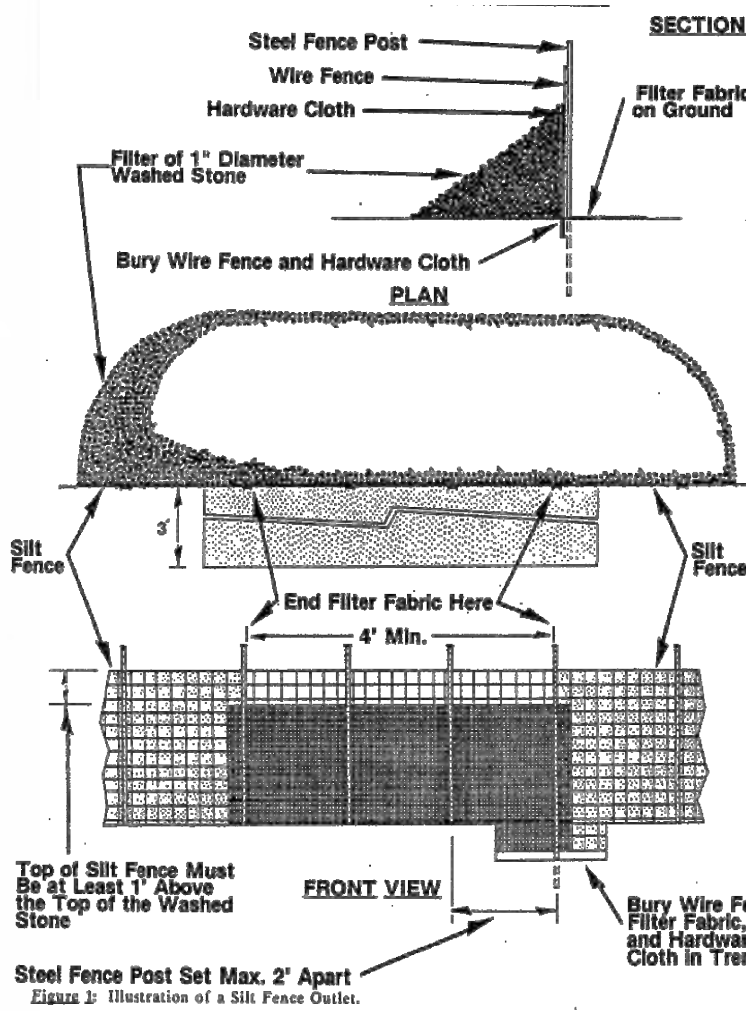


TITLE
GRAVEL
CONSTRUCTION
ENTRANCE

REVISIONS	NO	DATE	BY

DET.NO.	E-1
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SILT FENCE OUTLET
NOT TO SCALE



INSTRUCTIONS FOR
SILT FENCE OUTLET

- INSTALLATION**
- REFER TO THE PLANS FOR LOCATIONS AND SPECIFICATIONS. DURING INSTALLATION OF THE SILT BARRIER OR SILT FENCE, INSPECT THE INSTALLATION TO DETERMINE IF OUTLETS ARE NEEDED ACCORDING TO THE CRITERIA SET FORTH IN THE SPECIFICATIONS FOR THE BARRIER AND FENCE. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHOD OF INSTALLATION, CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL HAVE COPIES OF INSTRUCTIONS AND MAY HAVE PHOTOGRAPHS OF PROPERLY INSTALLED OUTLETS AS AN AID TO INSTALLATION.
 - IF THE SILT FENCE OUTLET IS NOT INSTALLED CORRECTLY THE FIRST TIME, IT WILL HAVE TO BE REBUILT.
 - DETERMINE THE EXACT LOCATION OF THE OUTLET BEFORE COMPLETING INSTALLATION OF THE SILT BARRIER OR SILT FENCE, TAKING INTO CONSIDERATION:
 - INSTALL THE OUTLET AT THE LOWEST POINT(S) IN THE BARRIER OR FENCE WHERE WATER WILL POND.
 - INSTALL THE OUTLET WHERE IT IS ACCESSIBLE FOR INSTALLATION, MAINTENANCE, AND REMOVAL.
 - ALLOW AT LEAST:
 - 15 FEET BETWEEN THE BARRIER OR FENCE AND SINGLE-STORY BUILDINGS.
 - 25 FEET FOR FORK LIFTS BETWEEN THE BARRIER OR FENCE AND MULTIPLE-STORY BUILDINGS.
 - 10 FEET BETWEEN THE BARRIER OR FENCE AND THE TOE OF FILL SLOPES.
 - PLACE THE OUTLET SO THAT WATER FLOWING THROUGH IT WILL NOT CREATE AN EROSION HAZARD BELOW: AVOID STEEP SLOPES BELOW THE OUTLET AND AREAS WITHOUT PROTECTIVE VEGETATION. USE SLOPE DRAINS IF NECESSARY.
 - DETERMINE THE LOCATION OF THE OUTLET: FOR A SILT BARRIER, WHEN THE TRENCH IS DUG TO BURY THE BOTTOM OF THE FABRIC BECAUSE THE BARRIER WILL BE OMITTED AT THE OUTLET; FOR A SILT FENCE, WHEN THE WIRE FENCE IS IN PLACE BECAUSE THE FILTER FABRIC WILL BE OMITTED AT THE OUTLET.
 - REFER TO THE ILLUSTRATIONS OF THE OUTLET IN THE PLAN.
 - CLEAR STUMPS AND ROOTS FROM THE LOCATION OF THE OUTLET. CLEAR ADEQUATE ACCESS FOR THE EQUIPMENT NEEDED FOR INSTALLATION, MAINTENANCE, AND REMOVAL.
 - FOR A SILT BARRIER:
 - JUST BELOW THE GAP IN THE BARRIER, PLACE A LAYER OF FILTER FABRIC ON THE GROUND TO PROTECT THE SOIL FROM EROSION BY OUTFLOW FROM THE OUTLET; PLACE 4 INCHES OF THE UPPER EDGE OF THE TRENCH. STAKE THE REMAINING EDGES OF THE FABRIC TO HOLD IT IN PLACE.
 - ALONG THE GAP WHERE THE OUTLET WILL GO, PLACE STEEL FENCE POSTS FOR STRENGTH. THE POSTS MUST BE A MAXIMUM OF 2 FEET APART AND DRIVEN INTO SOLID GROUND AT LEAST 18 INCHES.
 - PLACE HARDWARE CLOTH (WELDED GALVANIZED SCREEN WITH SQUARE 1/4 - 1/2-INCH HOLES) ON THE UPHILL SIDE OF THE POSTS TO HOLD THE WASHED STONE IN PLACE. PUT 6 INCHES OF THE BOTTOM OF THE CLOTH IN THE TRENCH AND FASTEN IT TO THE POSTS WITH LENGTHS OF WIRE.
 - BURY THE BOTTOM OF THE HARDWARE CLOTH AND THE UPPER EDGE OF THE FILTER FABRIC BELOW THE OUTLET IN THE TRENCH AND COMPACT THE FILL.
 - PLACE A FILTER OF 1-INCH DIAMETER WASHED STONE ON THE UPHILL SIDE OF THE OUTLET. PILE THE STONE UP TO THE TOP OF THE HARDWARE CLOTH AND OVER THE JOINT BETWEEN THE OUTLET AND THE BARRIER.
 - FOR A SILT FENCE:
 - JUST BELOW THE GAP IN THE FENCE, PLACE A LAYER OF FILTER FABRIC ON THE GROUND TO PROTECT THE SOIL FROM EROSION BY OUTFLOW FROM THE OUTLET; PLACE 4 INCHES OF THE UPPER EDGE IN THE TRENCH. STAKE THE OTHER EDGES OF THE FABRIC TO HOLD IT IN PLACE.
 - ALONG THE GAP WHERE THE OUTLET WILL GO, PLACE ADDITIONAL STEEL FENCE POSTS FOR STRENGTH. THE POSTS MUST BE A MAXIMUM OF 2 FEET APART AND DRIVEN INTO SOLID GROUND AT LEAST 18 INCHES.
 - PLACE HARDWARE CLOTH (WELDED GALVANIZED SCREEN WITH SQUARE 1/4 - 1/2-INCH HOLES) ON THE UPHILL SIDE OF THE POSTS TO HOLD THE WASHED STONE IN PLACE. PUT 6 INCHES OF THE BOTTOM OF THE CLOTH IN THE TRENCH AND FASTEN IT TO THE POSTS WITH LENGTHS OF WIRE.
 - BURY THE BOTTOM OF THE HARDWARE CLOTH, THE UPPER EDGE OF THE FILTER FABRIC BELOW THE OUTLET, AND THE WIRE FENCE IN THE TRENCH AND COMPACT THE FILL.
 - PLACE A FILTER OF 1-INCH DIAMETER WASHED STONE ON THE UPHILL SIDE OF THE OUTLET. PILE THE STONE UP TO THE TOP OF THE HARDWARE CLOTH AND OVER THE JOINT BETWEEN THE OUTLET AND THE SILT FENCE.

- MAINTENANCE**
- MATERIALS, EQUIPMENT, AND PERSONNEL MUST BE AVAILABLE FOR MAINTENANCE AT ALL TIME.
- INSPECT THE SILT FENCE OUTLET:
 - DURING CONSTRUCTION: TO DETERMINE IF MACHINERY, FALLING TREES, ETC. HAVE DAMAGED THE BARRIER, FENCE, OR OUTLET; IF DAMAGED, MAKE REPAIRS. TO SEE THAT FILL MATERIAL HAS NOT ACCUMULATED AGAINST THE OUTLET, BLOCKING OUTFLOW; IF IT HAS, REMOVE THE MATERIAL, REPAIR THE DAMAGE, AND MOVE THE FENCE OR FILL SO THAT IT DOES NOT HAPPEN AGAIN.
 - AFTER EACH RAINFALL: TO DETERMINE IF RUNOFF FLOWING THROUGH THE OUTLET HAS CAUSED DAMAGE BY UNDERMINING THE FENCE OR OUTLET, OR IF ACCUMULATED WATER HAS COLLAPSED THE OUTLET; IF IT HAS, MAKE REPAIRS OR INSTALL A SEDIMENT TRAP IF NECESSARY TO PREVENT FUTURE FAILURES.
 - CLEAN OUT ACCUMULATED SEDIMENT WHEN IT REACHES A DEPTH OF ONE-HALF THE HEIGHT OF THE OUTLET. PLACE THE SEDIMENT IN A DISPOSAL AREA, OR MIX IT WITH DRY SOIL ON THE SITE IF APPROPRIATE.
 - DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION HAZARD.
 - WHEN THE STONE FILTER BECOMES CLOGGED, PREVENTING FLOW THROUGH THE FILTER, REMOVE THE CONTAMINATED STONE, DISPOSE OF IT PROPERLY, AND REPLACE IT WITH CLEAN WASHED STONE.
 - REPAIR THE OUTLET IF DAMAGED BY USE OR DURING MAINTENANCE. REBUILD IT TO THE ORIGINAL CONFIGURATION.

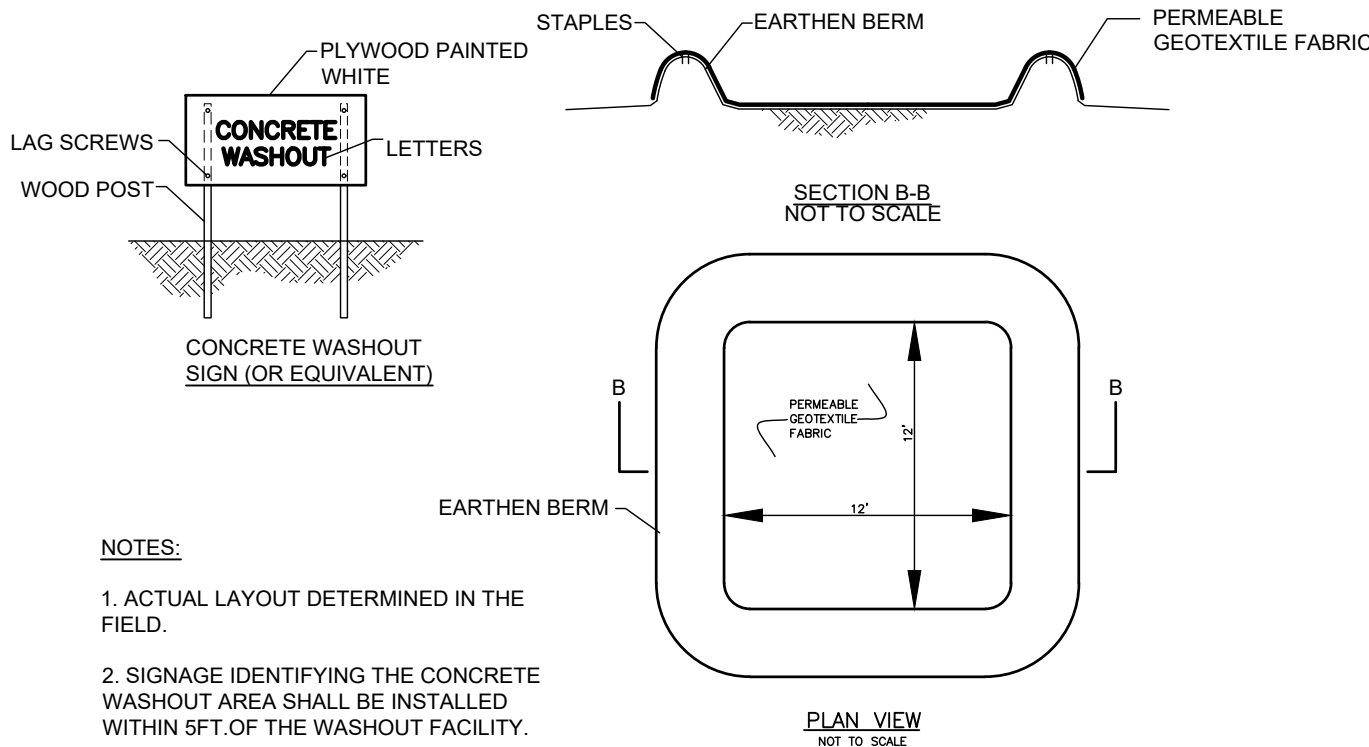
- REMOVAL**
- WHEN GRADING IN THE DRAINAGE AREA ABOVE THE OUTLET HAS BEEN COMPLETED AND THE DISTURBED AREA SUFFICIENTLY STABILIZED TO RESTRAIN EROSION, THE OUTLET MUST BE REMOVED.
 - CLEAN OUT ACCUMULATED SEDIMENT AND DISPOSE OF IT PROPERLY.
 - REMOVE POSTS, FENCE, FABRIC, WIRE, AND WASHED STONE; DISPOSE OF THEM PROPERLY.
 - GRADE THE LOCATION AS NECESSARY.
 - STABILIZE THE DISTURBED AREA WHERE THE OUTLET WAS LOCATED.

- GENERAL NOTES:
- Use silt fence only when drainage area does not exceed 3 acres and never in areas of concentrated flow.
 - Silt fence shall not be removed unless site is stabilized and inspected by Town of Chapel Hill staff.

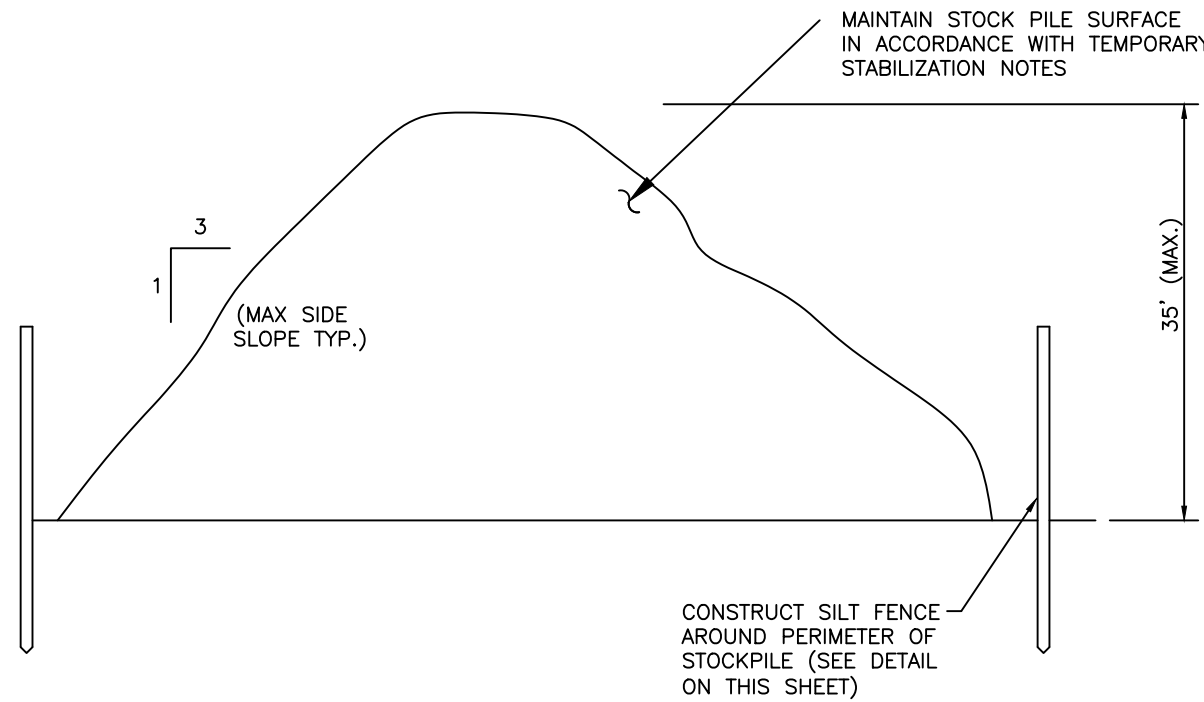
NOTE: DRAWING NOT TO SCALE

SILT FENCE DETAIL
N.T.S.

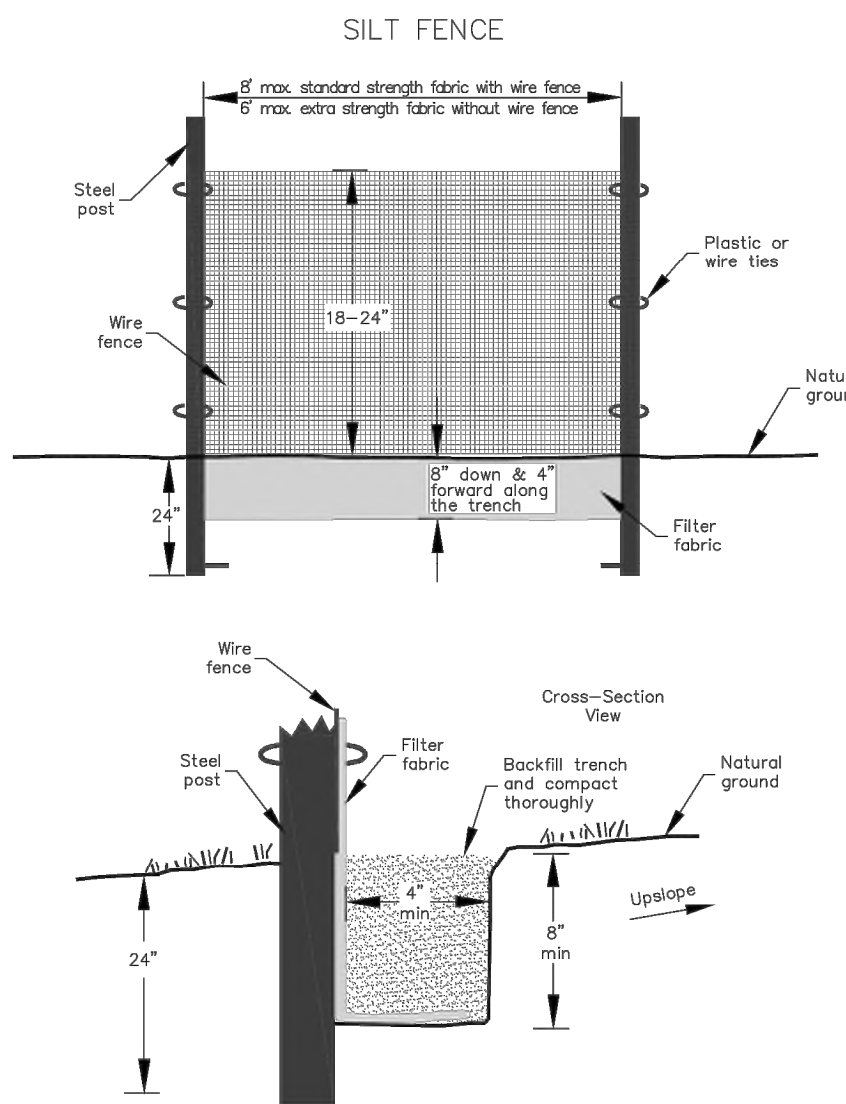
TITLE:	REVISIONS	DET. NO.
SILT FENCE	08/13 15	SD-18



CONCRETE WASHOUT
TYPE "ABOVE GRADE" WITH EARTHEN BERMS



TEMPORARY
STOCKPILE DETAIL
NOT TO SCALE



ENGINEERING
STANDARD
DETAILS
DEPARTMENT

TARHEEL LODGING REDEVELOPMENT PHASE 2

EROSION AND SEDIMENTATION DETAILS

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC

1742 FORHAM BLVD.
CHAPEL HILL, NC

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

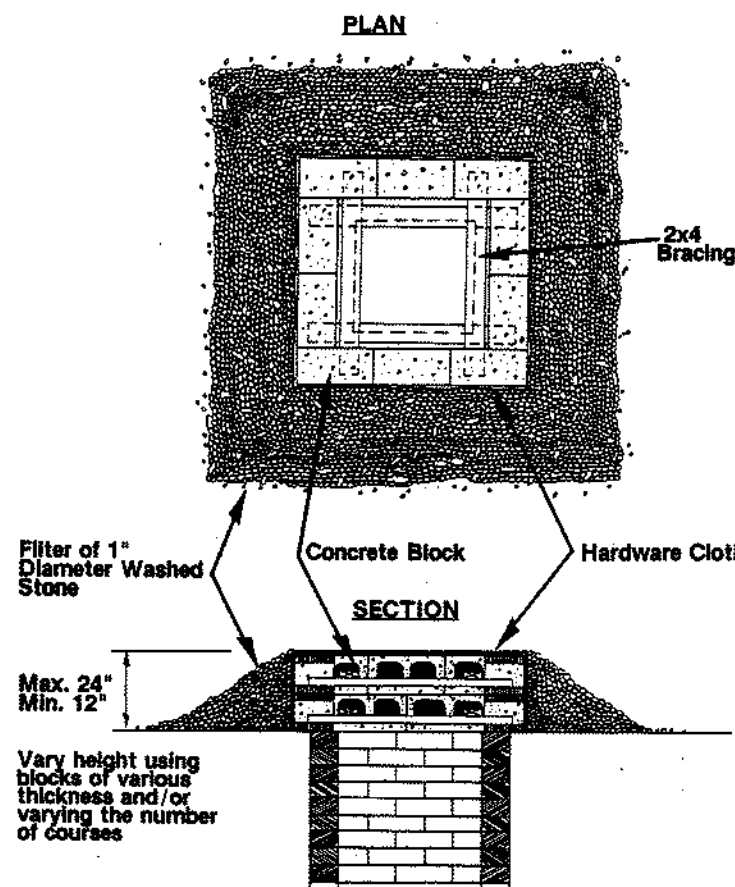


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PROJECT	RKINV18001
DATE	2018/05/21
DRAWING SCALE	N.T.S.
DRAWN BY	CJJ
APPROVED BY	ESM

CS8502
SHEET 38 OF 39

BLOCK AND GRAVEL FILTER



Height must be adjusted so that overflow enters the inlet and does not bypass it.

FIGURE 2 Illustration of a Block and Gravel Filter.
INSTRUCTIONS FOR STORM DRAIN INLET PROTECTION USING A
BLOCK AND GRAVEL FILTER

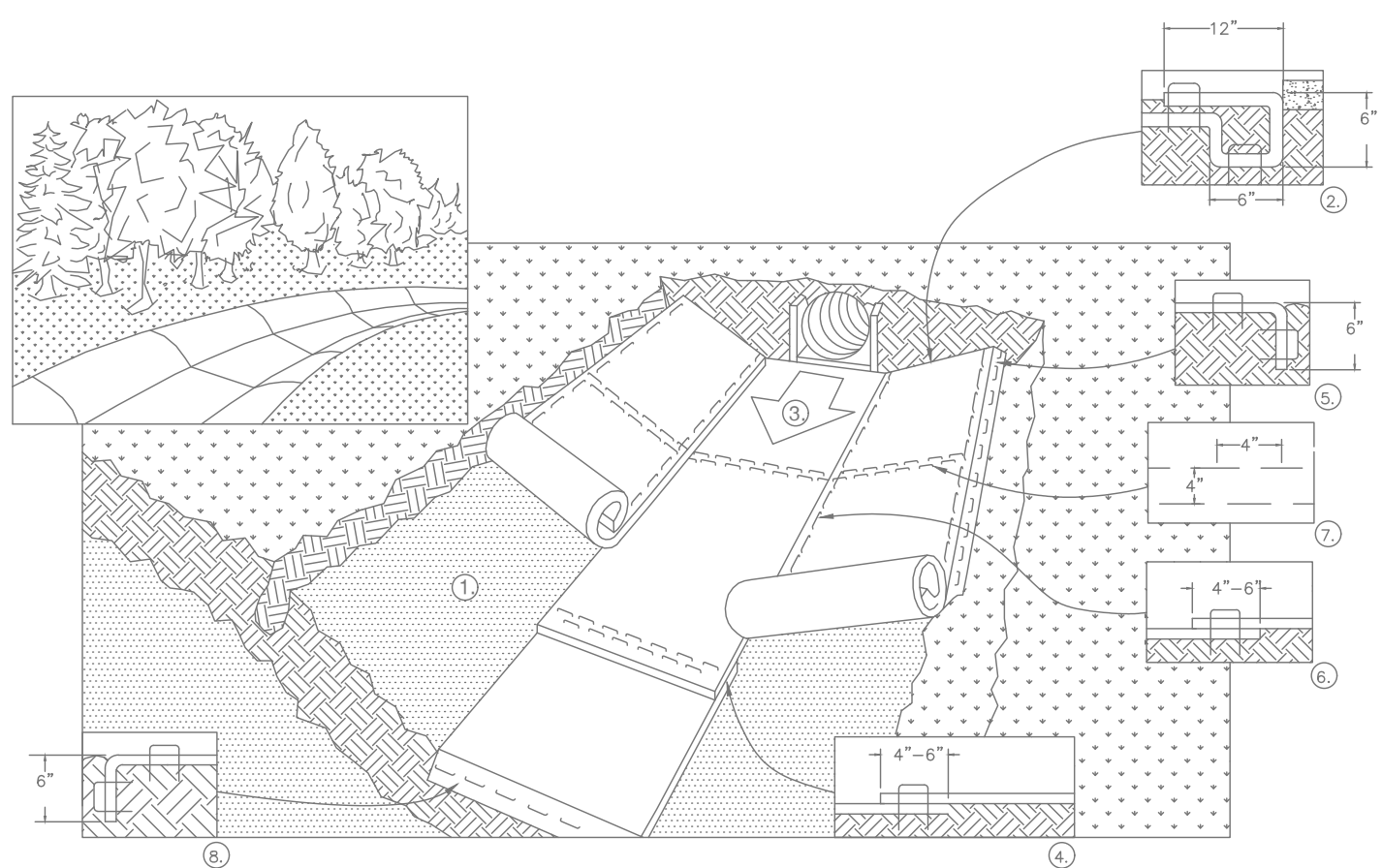
- INSTALLATION**
- REFER TO THE PLANS FOR LOCATIONS AND SPECIFICATIONS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION OR METHODS OF INSTALLATION, CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL HAVE COPIES OF INSTRUCTIONS AND MAY HAVE PHOTOGRAPHS OF PROPERLY INSTALLED BLOCK AND GRAVEL FILTERS AS AN AID TO INSTALLATION.
IF THE INLET PROTECTION IS NOT INSTALLED CORRECTLY THE FIRST TIME, IT WILL HAVE TO BE REMOVED.
 - DETERMINE THE LOCATION ON THE GROUND, TAKING INTO CONSIDERATION:
 - DIVERSIONS AND/OR BUNKS MUST BE USED TO FORCE RUNOFF THROUGH THE FILTER INTO THE INLET SO THAT IT DOES NOT BY-PASS THE INLET AND CAUSE PROBLEMS ELSEWHERE.
 - IF THE INLET IS TO BE RAISED IN STAGES AS THE FILL IS BROUGHT UP AROUND IT, THE FILTER MUST BE REMOVED FOR GRADING AND REPLACED IMMEDIATELY SO THAT THE INLET IS ALWAYS PROTECTED FROM THE ENTRY OF UNFILTERED RUNOFF.
 - REFER TO ILLUSTRATIONS IN THE PLAN TO ASSIST INSTALLATION.
 - PLACE CONCRETE BLOCKS AROUND THE OPENING OF THE INLET WITH THE HOLES IN THE BLOCK PARALLEL TO THE GROUND SO THAT WATER CAN FLOW THROUGH THE HOLES. VARY THE NUMBER OF COURSES TO BUILD THE FILTER TO THE REQUIRED HEIGHT. IT MUST BE AT LEAST 12 INCHES HIGH.
 - INSTALL 2 X 4'S AS SHOWN IN THE ILLUSTRATION FOR REINFORCEMENT.
 - WRAP HARDWARE CLOTH AROUND THE OUTSIDE OF THE BLOCKS AND ON THE GROUND. HARDWARE CLOTH IS WELDED, GALVANIZED WIRE FABRIC WITH 1/4 - 1/2-INCH SQUARE HOLES.
 - PILE CLEAN WASHED STONE (1-INCH DIAMETER) AROUND THE OUTSIDE OF THE BLOCKS AND ON TOP OF THE HARDWARE CLOTH.
 - WHERE POSSIBLE, DIG A SMALL PIT AROUND THE FILTER TO STORE SEDIMENT.
 - IT IS ADVISABLE TO PLACE GUARD STAKES AROUND THE FILTER TO ALERT MACHINERY OPERATORS OF ITS LOCATION AND PREVENT DAMAGE TO IT.
 - DIVERSIONS AND/OR BUNKS MUST BE USED TO DIRECT RUNOFF TO THE FILTER AND INTO THE INLET. RUNOFF MUST NOT BE ALLOWED TO BY-PASS THE INLET AS IT WILL CREATE PROBLEMS DOWNHILL. REFER TO SPECIFIC DETAILS IN THE PLAN.

MAINTENANCE
MATERIALS, EQUIPMENT, AND PERSONNEL MUST BE AVAILABLE FOR MAINTENANCE AT ALL TIMES.

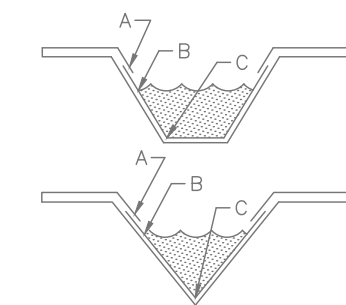
- INSPECT THE BLOCK AND GRAVEL FILTER:
 - DURING CONSTRUCTION:** TO SEE IF MACHINERY OR CONSTRUCTION ACTIVITIES HAVE DAMAGED THE FILTER. IF DAMAGED, REPAIR IT, TO SEE IF CONSTRUCTION TRAFFIC HAS DAMAGED OR REDUCED THE CAPACITY OF THE BUNKS AND DIVERSIONS DIRECTING RUNOFF TO THE FILTER; IF SO, MAKE REPAIRS.
 - AFTER EACH RAINFALL:** TO SEE IF RUNOFF IS BY-PASSING THE INLET OR FLOWING THE BUNKS OR DIVERSIONS BELOW THE FILTER; IF SO, INCREASE THEIR CAPACITY TO PREVENT IT.
- WHEN THE STONE FILTER BECOMES COVERED WITH SEDIMENT AND CLOGGED SO THAT RUNOFF CANNOT FLOW THROUGH IT, THE CONTAMINATED STONE MUST BE REMOVED, DISPOSED OF PROPERLY, AND REPLACED WITH CLEAN WASHED STONE.
DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION HAZARD.
- IF THE FILTER IS DAMAGED, IF THE BLOCKS ARE DISLOCATED OR BROKEN, OR IF THE REINFORCEMENT IS DAMAGED, REBUILD THE FILTER TO ITS ORIGINAL DESIGN CONFIGURATION.

REMOVAL

- WHEN GRADING IN THE DRAINAGE AREA ABOVE THE INLET HAS BEEN FINISHED AND THE DISTURBED AREAS STABILIZED, THE BLOCK AND GRAVEL FILTER MUST BE REMOVED.
- REMOVE ANY ACCUMULATED SEDIMENT AND DISPOSE OF IT PROPERLY.
- REMOVE THE STONE, HARDWARE CLOTH, BLOCK, AND 2 X 4'S, AND DISPOSE OF THEM PROPERLY.
- STABILIZE THE DISTURBED AREA AS REQUIRED.



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
- FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 4"-6" (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM SWITCH ON THE BLANKET BEING OVERLAPPED.
- IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- PLACE STAPLE/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE CHANNEL FLOW OR SHORELINE APPLICATION.

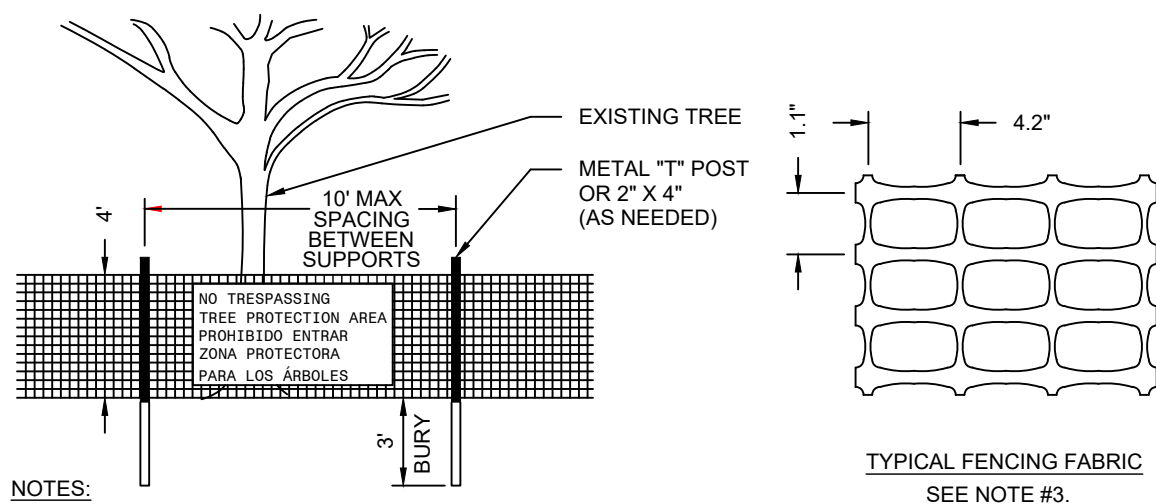


CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTE:

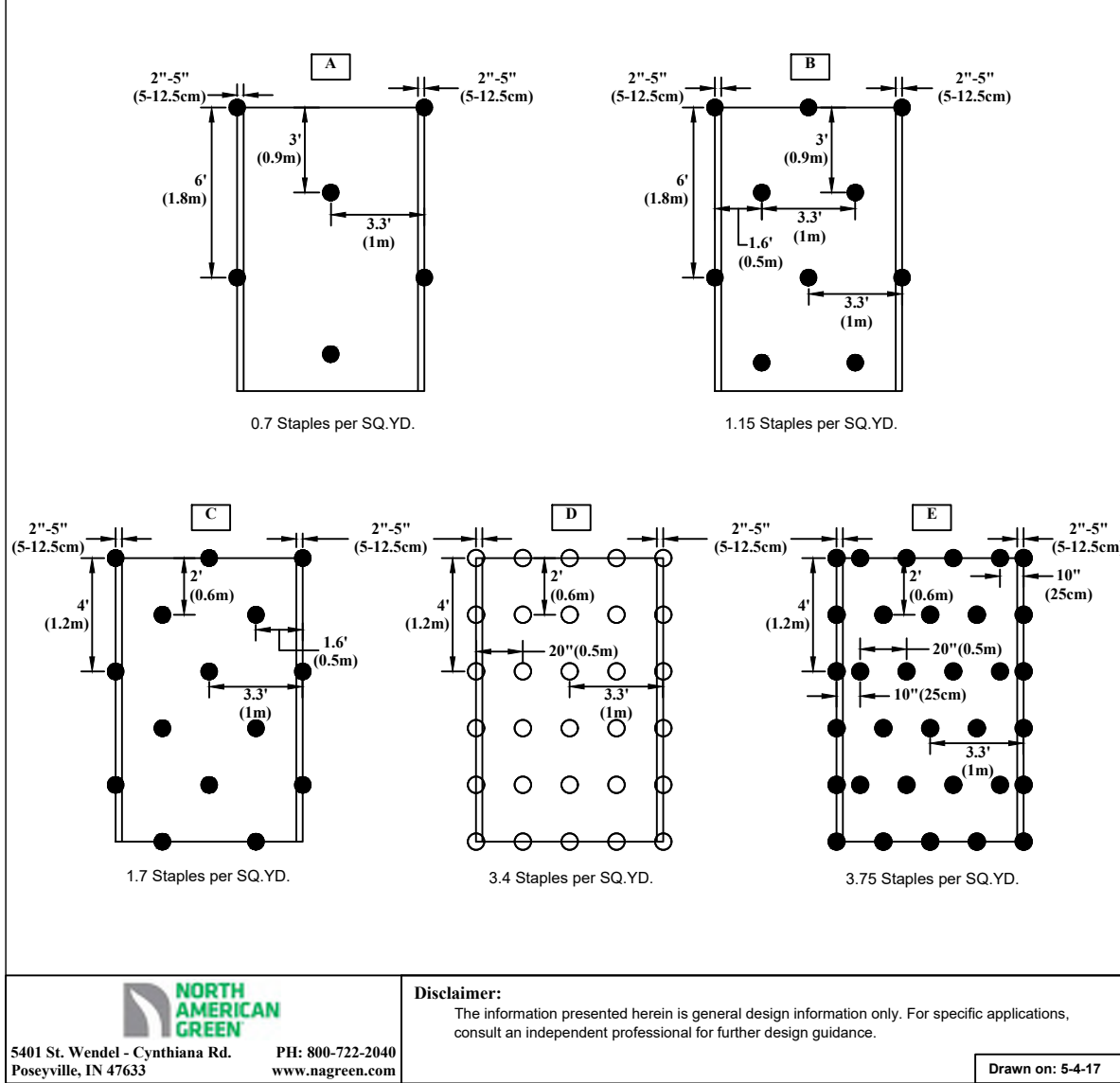
- HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.
- FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.

EROSION CONTROL LINING (CHANNEL INSTALLATION)



- NOTES:**
- PLACE CONTINUOUS RUN OF FENCE MATERIAL AS SHOWN ON PLANS.
 - ATTACH AT 10' MAXIMUM INTERVALS TO 2x4 POSTS. DO NOT STAPLE TO TREES.
 - FENCE MATERIAL SHALL BE 'TENSAR' HIGH STRENGTH POLYMER GEOGRID FABRIC BY TENSAR CORPORATION, MORROW, GEORGIA, OR EQUAL, BRIGHT ORANGE COLOR.
 - AT 100' O.C., PLACE SIGNS IN ENGLISH AND SPANISH:
"NO TRESPASSING - TREE PROTECTION AREA" and
"PROHIBIDO ENTRAR - ZONA PROTECTORA PARA LOS ARBOLES"
 - A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE PROJECT MANAGER AND THE TOWN'S LANDSCAPE ARCHITECT BEFORE ANY SITE WORK BEGINS.
 - ANY TREE ROOTS EXPOSED BY CONSTRUCTION SHALL BE SEVERED CLEANLY WITH A PRUNING TOOL.
 - THE SOIL WITHIN THE PROTECTED AREA AROUND EXISTING TREES SHALL NOT BE DRIVEN UPON AFTER FENCE REMOVAL FOR THE PURPOSE OF INSTALLING LANDSCAPING.

TREE PROTECTION FENCE
N.T.S.



STAPLE PATTERN GUIDE

- 4:1 Slopes (A)
- 3:1 Slopes (B)
- 2:1 Slopes (C)
- 1:1 & Steeper Slopes (D)
- Medium/High Flow Channel (D)
- High Flow Channel And Shoreline (E)

NOTES:
* Use ECMDS® for more accurate staple pattern selection.

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Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17

STAPLE PATTERN
N.T.S.

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TARHEEL LODGING REDEVELOPMENT PHASE 2
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CHAPEL HILL, NC

EROSION AND SEDIMENTATION DETAILS

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DATE	NO.	REVISIONS	BY

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