

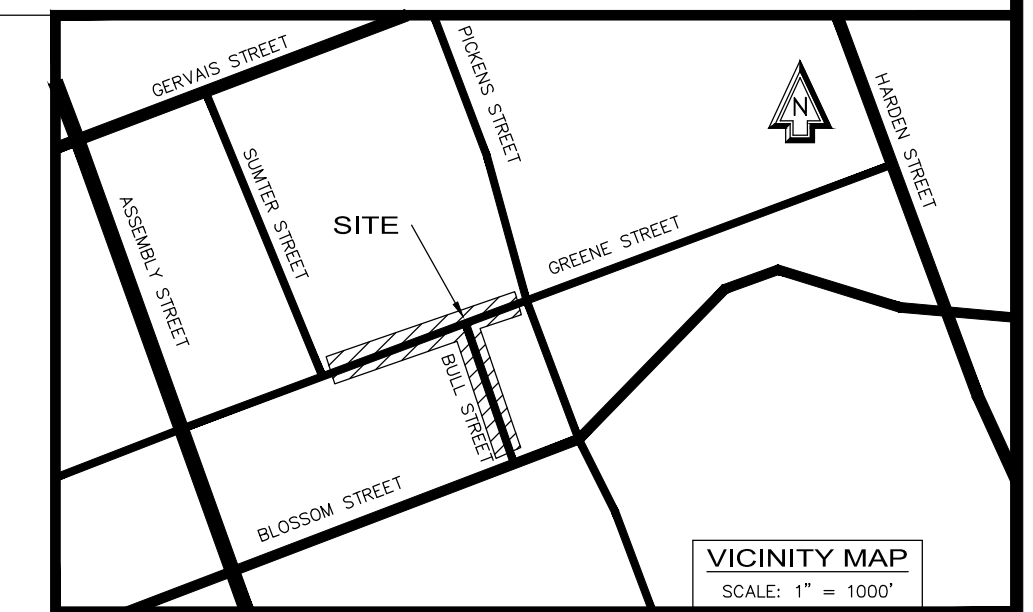


UNIVERSITY OF SOUTH CAROLINA

GREENE / BULL ST. SITE IMPROVEMENTS

COLUMBIA, SOUTH CAROLINA
 USC PROJECT No. CP00373151
 USC CODE No. H27-Z100

BID SET
 24 FEBRUARY 2014



DRAWING SCHEDULE	
SHEET NO.	CONTENTS
C-1.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.0	STAKING PLAN
C-2.1	ENLARGED STAKING PLANS
C-3.0	GRADING AND UTILITIES PLAN
C-3.1	ENLARGED GRADING PLANS
C-4.0	SEDIMENT AND EROSION CONTROL PLAN, NOTES AND DETAILS
C-5.0	DETAILS
L-1.0	DETAIL KEY / TREE PROTECTION PLAN
L-2.0	SITE DETAILS
L-3.0	SITE DETAILS
L-4.0	PLANTING PLAN
L-5.0	PLANTING DETAILS
I-1.0	IRRIGATION PLAN
I-2.0	IRRIGATION DETAILS

PROJECT NO.
13-216
24 FEB. 2013

DRAWING NO.
TITLE

DRAWN BY: JDH
 CHECKED BY: BBT
 FILE: BULL_ST_BASE

PROJECT TITLE
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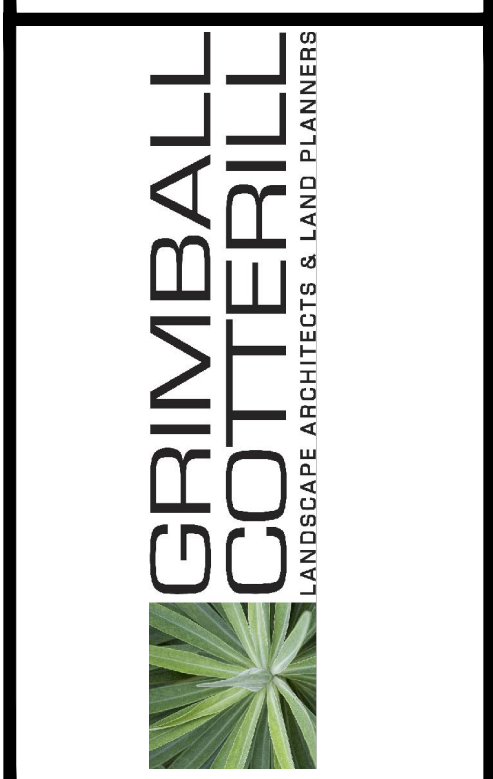
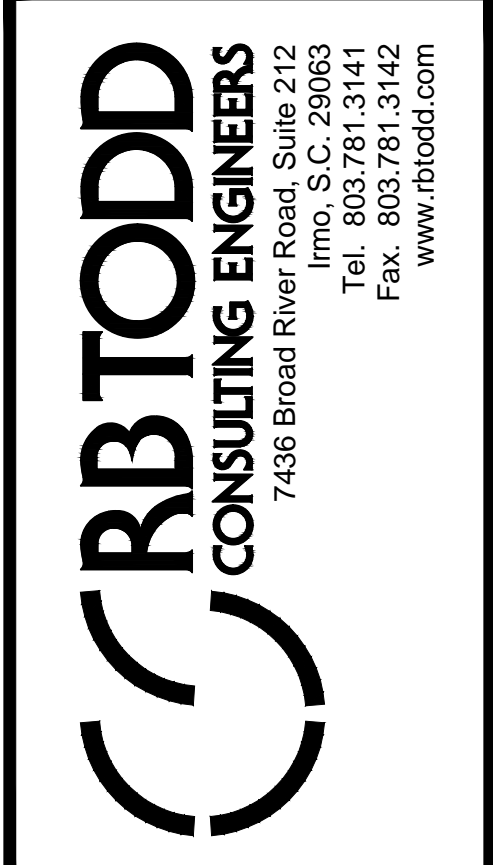
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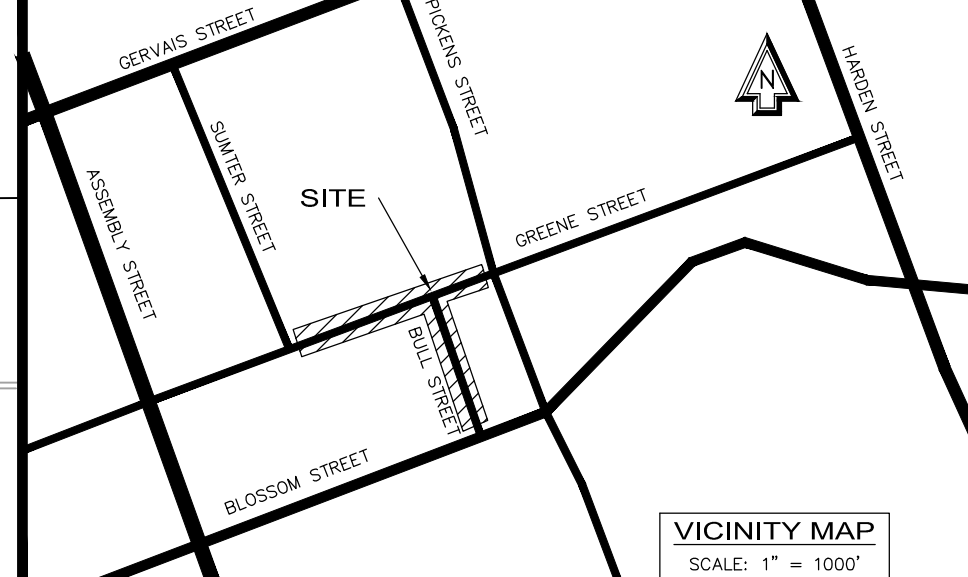
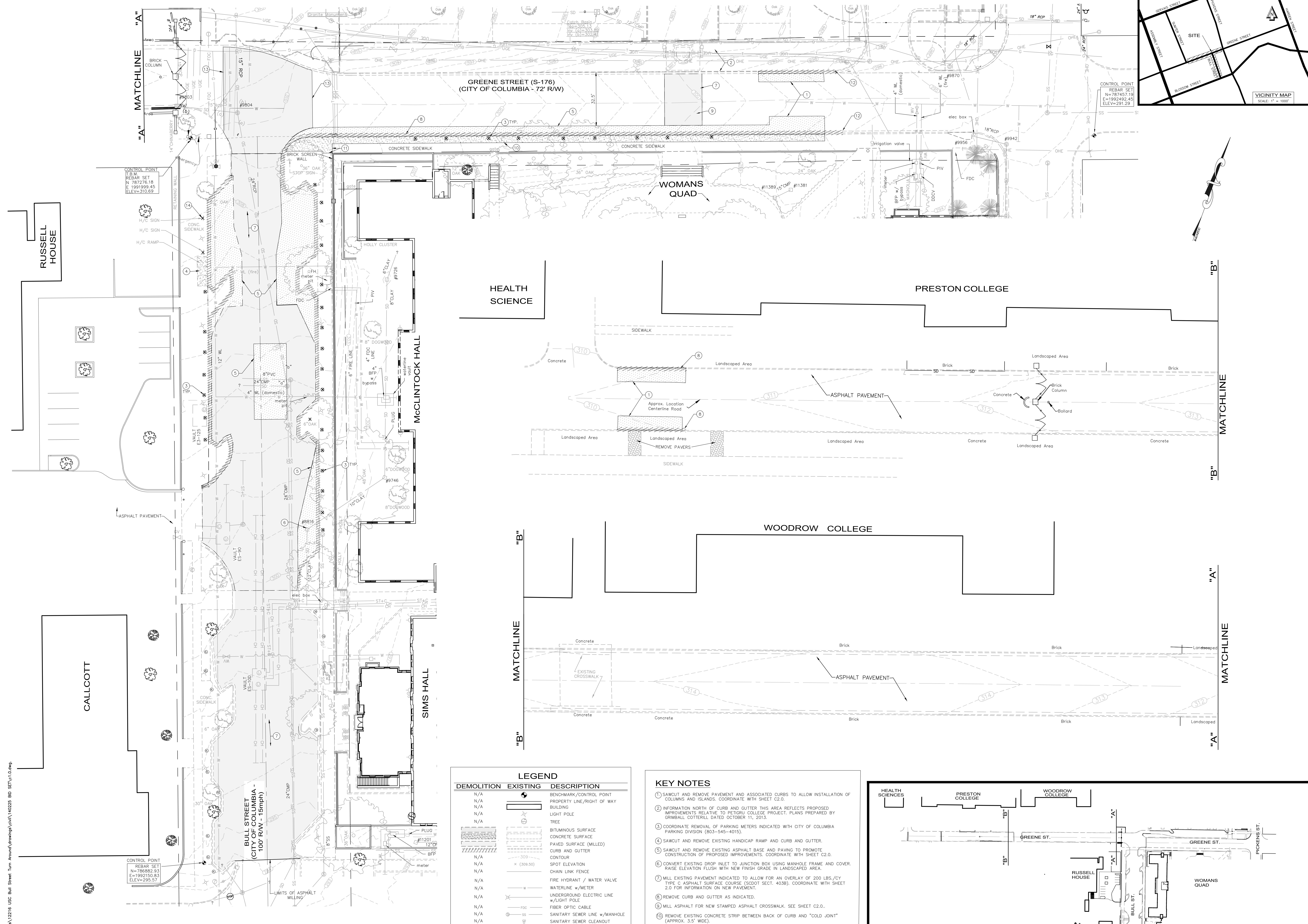


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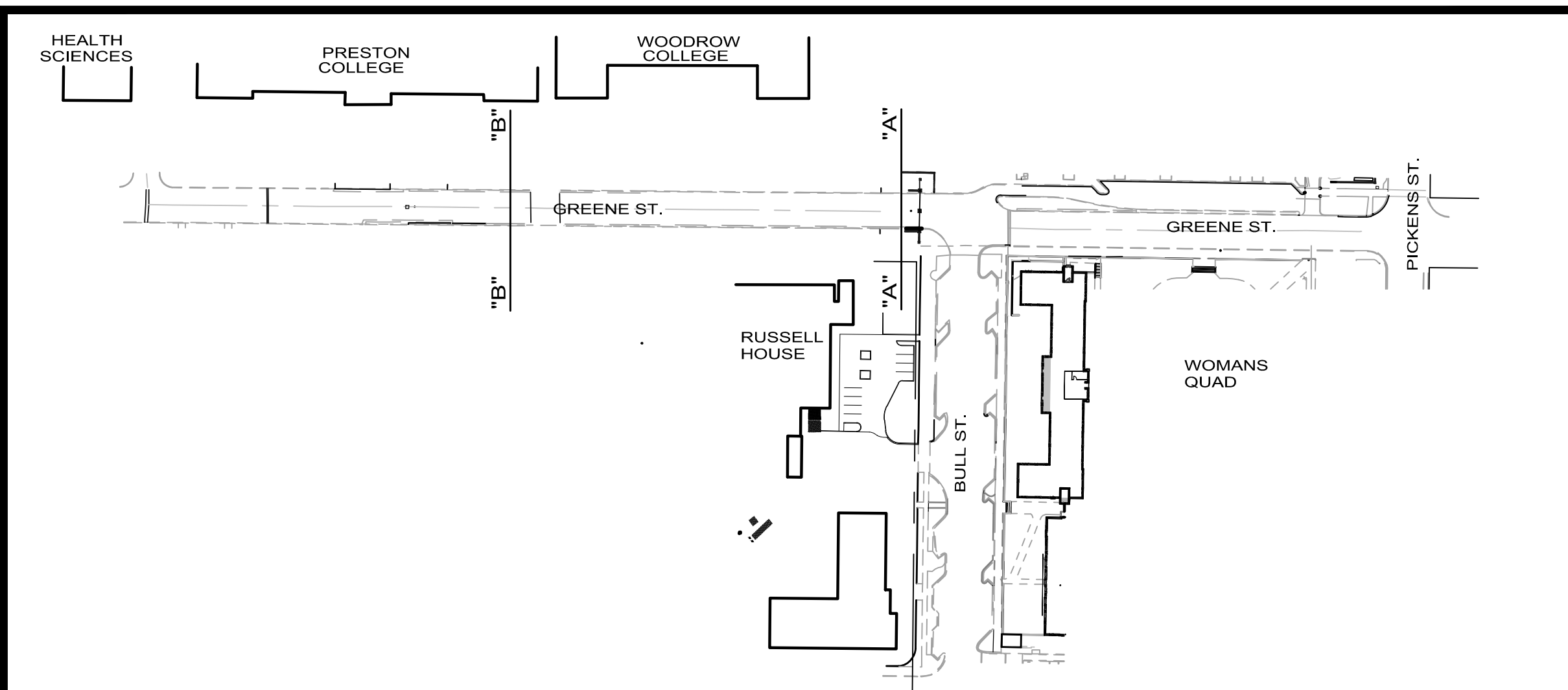
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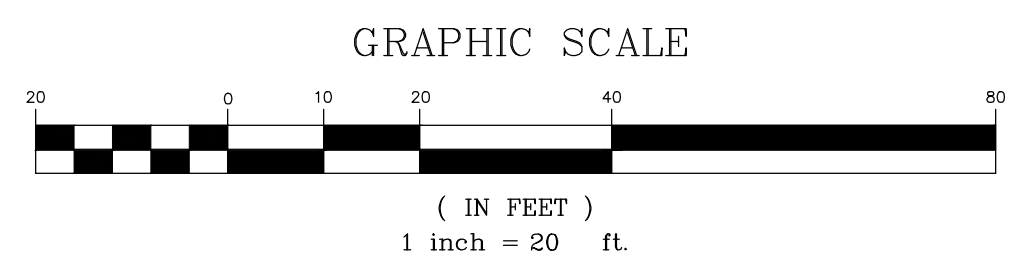
LEGEND

DEMOLITION	EXISTING	DESCRIPTION
N/A	+	BENCHMARK/CONTROL POINT
N/A	—	PROPERTY LINE/RIGHT OF WAY
N/A	□	BUILDING
N/A	○	LIGHT POLE
N/A	○	TREE
N/A	—	BITUMINOUS SURFACE
N/A	—	CONCRETE SURFACE
N/A	—	PAVED SURFACE (MILLED)
N/A	—	CURB AND GUTTER
N/A	—	CONTOUR
N/A	—	SPOT ELEVATION
N/A	—	CHAIN LINK FENCE
N/A	—	FIRE HYDRANT / WATER VALVE
N/A	—	WATERLINE w/METER
N/A	—	UNDERGROUND ELECTRIC LINE w/LIGHT POLE
N/A	—	FIBER OPTIC CABLE
N/A	—	SANITARY SEWER LINE w/MANHOLE
N/A	—	SANITARY SEWER CLEANOUT
N/A	—	STORM DRAIN LINE w/STRUCTURE
N/A	—	STEAM LINE w/MANHOLE
N/A	—	CONDENSATE LINE
N/A	—	TRAP LINE
N/A	—	CHILLED WATER SERVICE
N/A	—	CHILLED WATER RETURN
N/A	—	NATURAL GAS LINE w/METER
①	N/A	KEY NOTE REFERENCE

- KEY NOTES**
- SAWCUT AND REMOVE PAVEMENT AND ASSOCIATED CURBS TO ALLOW INSTALLATION OF COLUMNS AND ISLANDS. COORDINATE WITH SHEET C2.0.
 - INFORMATION NORTH OF CURB AND GUTTER THIS AREA REFLECTS PROPOSED IMPROVEMENTS RELATIVE TO PRESTON COLLEGE PROJECT. PLANS PREPARED BY GRIMBALL COTTERILL DATED OCTOBER 11, 2013.
 - COORDINATE REMOVAL OF PARKING METERS INDICATED WITH CITY OF COLUMBIA PARKING DIVISION (803-545-4015).
 - SAWCUT AND REMOVE EXISTING HANDICAP RAMP AND CURB AND GUTTER.
 - SAWCUT AND REMOVE EXISTING ASPHALT BASE AND PAVING TO PROMOTE CONSTRUCTION OF PROPOSED IMPROVEMENTS. COORDINATE WITH SHEET C2.0.
 - CONVERT EXISTING DROP INLET TO JUNCTION BOX USING MANHOLE FRAME AND COVER. RAISE ELEVATION FLUSH WITH NEW FINISH GRADE IN LANDSCAPED AREA.
 - MILL EXISTING PAVEMENT INDICATED TO ALLOW FOR AN OVERLAY OF 200 LBS./CY TYPE C ASPHALT SURFACE COURSE (SDOT SECT. 403B). COORDINATE WITH SHEET 2.0 FOR INFORMATION ON NEW PAVEMENT.
 - REMOVE CURB AND GUTTER AS INDICATED.
 - MILL ASPHALT FOR NEW STAMPED ASPHALT CROSSWALK. SEE SHEET C2.0.
 - REMOVE EXISTING CONCRETE STRIP BETWEEN BACK OF CURB AND "COLD JOINT" (APPROX. 3.5' WIDE).
 - SAWCUT CONCRETE SIDEWALK ALONG PROJECTED LINE FROM BRICK SCREEN WALL.
 - END CURB AND GUTTER REMOVAL. COORDINATE WITH SHEET C2.0.
 - END ASPHALT MILLING ON EASTERN AND WESTERN EXTENTS OF NEW CROSSWALKS. COORDINATE WITH SHEET C2.0.
 - COORDINATE REMOVAL OF HANDICAP SIGNS INDICATED WITH CITY OF COLUMBIA PARKING DIVISION (803-545-4015).



The Palmetto Utility Protection Service, Inc.
South Carolina 811
 CALL 811
 3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
 CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

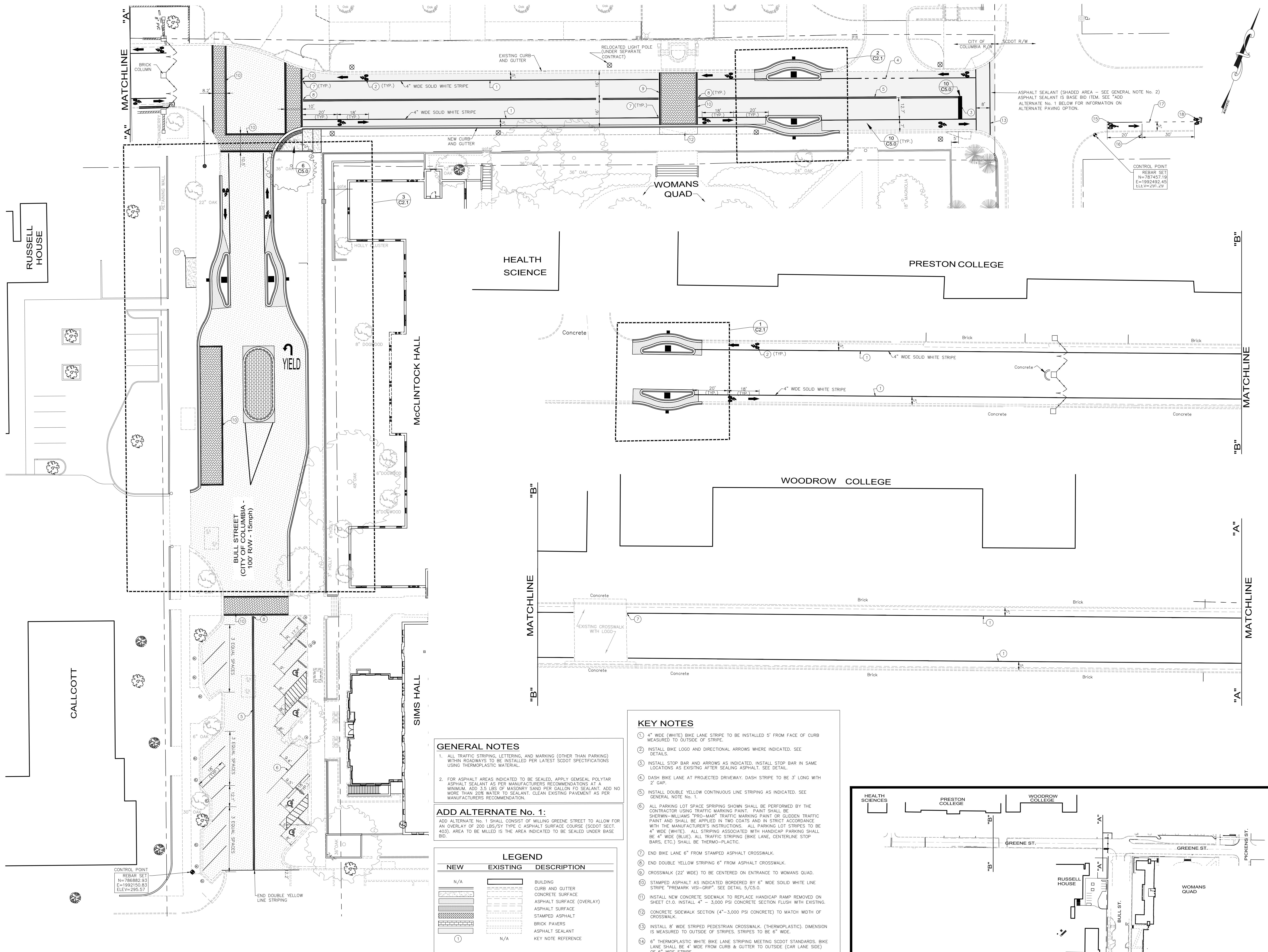


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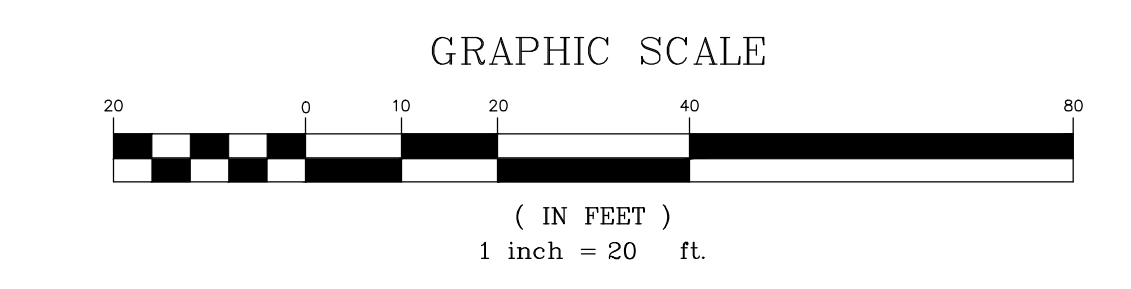
EXISTING CONDITIONS AND DEMOLITION PLAN

PROJECT TITLE: UNIVERSITY OF SOUTH CAROLINA GREENE / BULL ST. SITE IMPROVEMENTS
 DRAWING TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN
 DRAWN BY: JDH
 CHECKED BY: RBT
 FILE: BULL-ST-BASE
 PROJECT NO.: 12-216
 DATE: 24 FEB 2014
 DRAWING NO.: **C-1.0**



CONTROL POINT
REBAR SET
N=788892.93
E=1992150.83
ELEV=295.57

END DOUBLE YELLOW LINE STRIPING



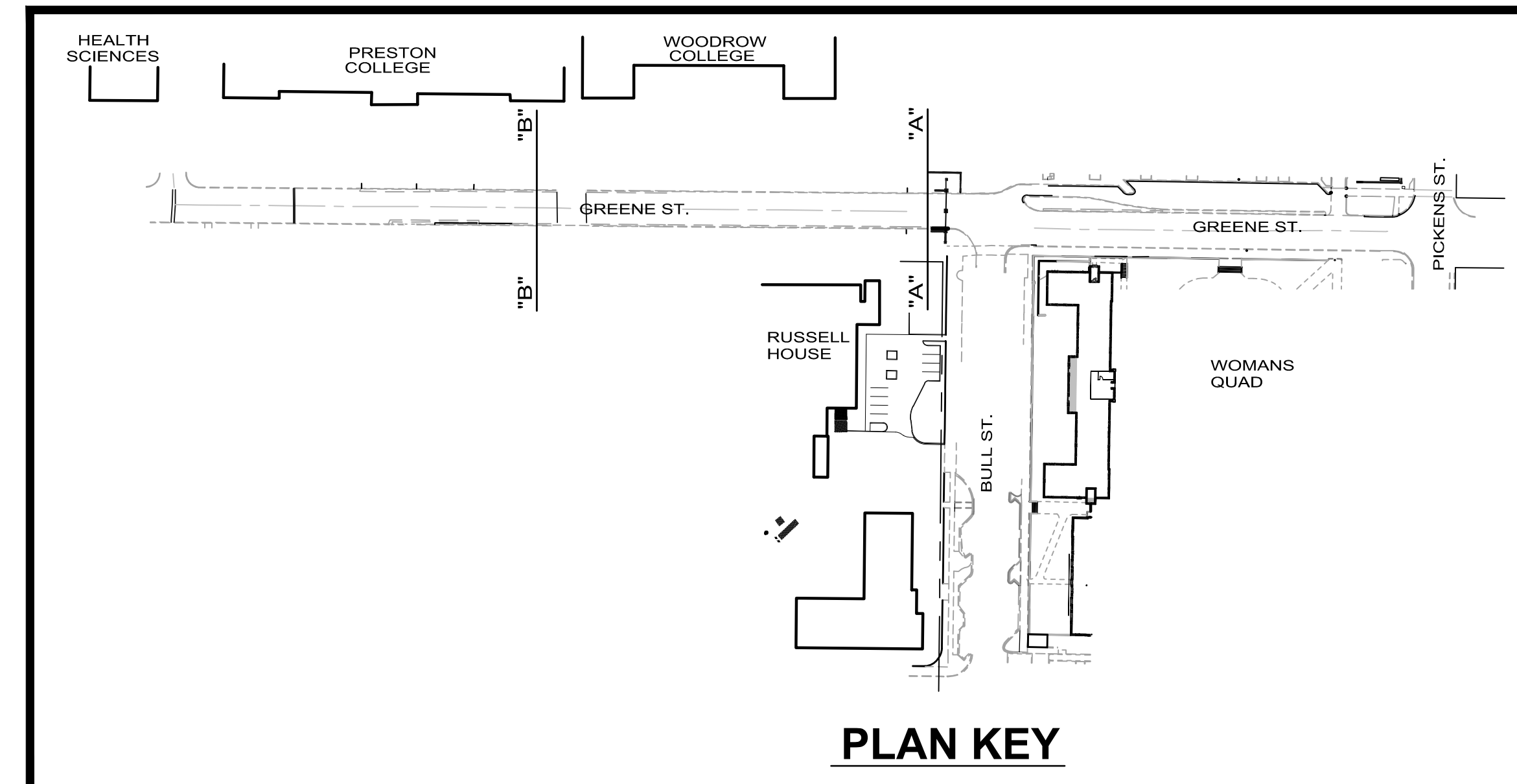
GENERAL NOTES

- ALL TRAFFIC STRIPING, LETTERING, AND MARKING (OTHER THAN PARKING) WITHIN ROADWAYS TO BE INSTALLED PER LATEST SCOTD SPECIFICATIONS USING THERMOPLASTIC MATERIAL.
- FOR ASPHALT AREAS INDICATED TO BE SEALED, APPLY GEMSEAL POLYMER ASPHALT SEALANT AS PER MANUFACTURER'S RECOMMENDATIONS AT A MINIMUM ADD 3.5 LBS OF MASONRY SAND PER GALLON FO SEALANT. ADD NO MORE THAN 20% WATER TO SEALANT. CLEAN EXISTING PAVEMENT AS PER MANUFACTURER'S RECOMMENDATION.

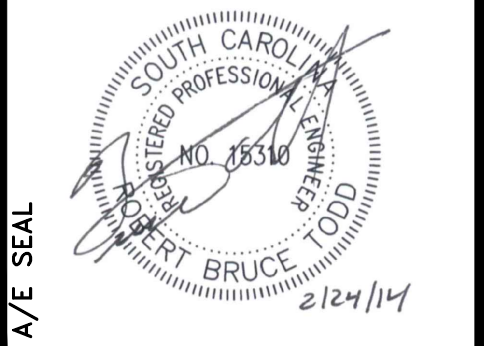
ADD ALTERNATE No. 1:
ADD ALTERNATE No. 1 SHALL CONSIST OF MILLING GREENE STREET TO ALLOW FOR AN OVERLAY OF 200 LBS/SY TYPE C ASPHALT SURFACE COURSE (SCOTD SECT. 403). AREA TO BE MILLED IS THE AREA INDICATED TO BE SEALED UNDER BASE BID.

LEGEND		
NEW	EXISTING	DESCRIPTION
N/A	[Symbol]	BUILDING
[Symbol]	[Symbol]	CURB AND GUTTER
[Symbol]	[Symbol]	CONCRETE SURFACE
[Symbol]	[Symbol]	ASPHALT SURFACE (OVERLAY)
[Symbol]	[Symbol]	ASPHALT SURFACE
[Symbol]	[Symbol]	STAMPED ASPHALT
[Symbol]	[Symbol]	BRICK PAVERS
[Symbol]	[Symbol]	ASPHALT SEALANT
[Symbol]	N/A	KEY NOTE REFERENCE

- KEY NOTES**
- 4" WIDE (WHITE) BIKE LANE STRIPES TO BE INSTALLED 5' FROM FACE OF CURB MEASURED TO OUTSIDE OF STRIPE.
 - INSTALL BIKE LOGO AND DIRECTIONAL ARROWS WHERE INDICATED. SEE DETAILS.
 - INSTALL STOP BAR AND ARROWS AS INDICATED. INSTALL STOP BAR IN SAME LOCATIONS AS EXISTING AFTER SEALING ASPHALT. SEE DETAIL.
 - DASH BIKE LANE AT PROJECTED DRIVEWAY. DASH STRIPE TO BE 3' LONG WITH 2' GAP.
 - INSTALL DOUBLE YELLOW CONTINUOUS LINE STRIPING AS INDICATED. SEE GENERAL NOTE No. 1.
 - ALL PARKING LOT SPACE STRIPING SHOWN SHALL BE PERFORMED BY THE CONTRACTOR USING TRAFFIC MARKING PAINT. PAINT SHALL BE SHERWIN-WILLIAMS "PRO-MAR" TRAFFIC MARKING PAINT OR GILDEN TRAFFIC PAINT AND SHALL BE APPLIED IN TWO COATS AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL PARKING LOT STRIPES TO BE 4" WIDE (WHITE). ALL STRIPING ASSOCIATED WITH HANDICAP PARKING SHALL BE 4" WIDE (BLUE). ALL TRAFFIC STRIPING (BIKE LANE, CENTERLINE STOP BARS, ETC.) SHALL BE THERMO-PLASTIC.
 - END BIKE LANE 6" FROM STAMPED ASPHALT CROSSWALK.
 - END DOUBLE YELLOW STRIPING 6" FROM ASPHALT CROSSWALK.
 - CROSSWALK (22' WIDE) TO BE CENTERED ON ENTRANCE TO WOMANS QUAD.
 - STAMPED ASPHALT AS INDICATED BORDERED BY 6" WIDE SOLID WHITE LINE STRIPE "PREMARK VISI-GRIP". SEE DETAIL 5/C5.0.
 - INSTALL NEW CONCRETE SIDEWALK TO REPLACE HANDICAP RAMP REMOVED ON SHEET C1.0. INSTALL 4" - 3,000 PSI CONCRETE SECTION FLUSH WITH EXISTING.
 - CONCRETE SIDEWALK SECTION (4" - 3,000 PSI CONCRETE) TO MATCH WIDTH OF CROSSWALK.
 - INSTALL 8' WIDE STRIPED PEDESTRIAN CROSSWALK. (THERMOPLASTIC). DIMENSION IS MEASURED TO OUTSIDE OF STRIPES. STRIPES TO BE 6" WIDE.
 - 6" THERMOPLASTIC WHITE BIKE LANE STRIPING MEETING SCOTD STANDARDS. BIKE LANE SHALL BE 4" WIDE FROM CURB & GUTTER TO OUTSIDE (CAR LANE SIDE) OF 6" WIDE STRIPE.
 - THERMOPLASTIC WHITE BIKE LANE SYMBOL AND ARROW MEETING MUTCD R9C-3B. (SEE DETAIL).
 - SCOTD STANDARD "BIKE LANE ENDS" SIGN (MUTCD CODE R3-17 AND 17B).
 - 6" WIDE THERMOPLASTIC WHITE BIKE LANE STRIPING MEETING SCOTD STANDARDS - DASHED PATTERN 2' LONG, 5' O.C.
 - "SHARROW" MARKING, MUTCD R9C-3A WITH CHEVRONS. ADJUST CHEVRONS AS SHOWN. SEE SUMTER ST. MARKINGS FOR REFERENCE.



PLAN KEY



UNIVERSITY OF SOUTH CAROLINA
GREENE / BULL ST. SITE IMPROVEMENTS
COLUMBIA, SOUTH CAROLINA

PROJECT NO. 12-216
DATE: 24 FEB. 2014

DRAWING NO. **C-2.0**

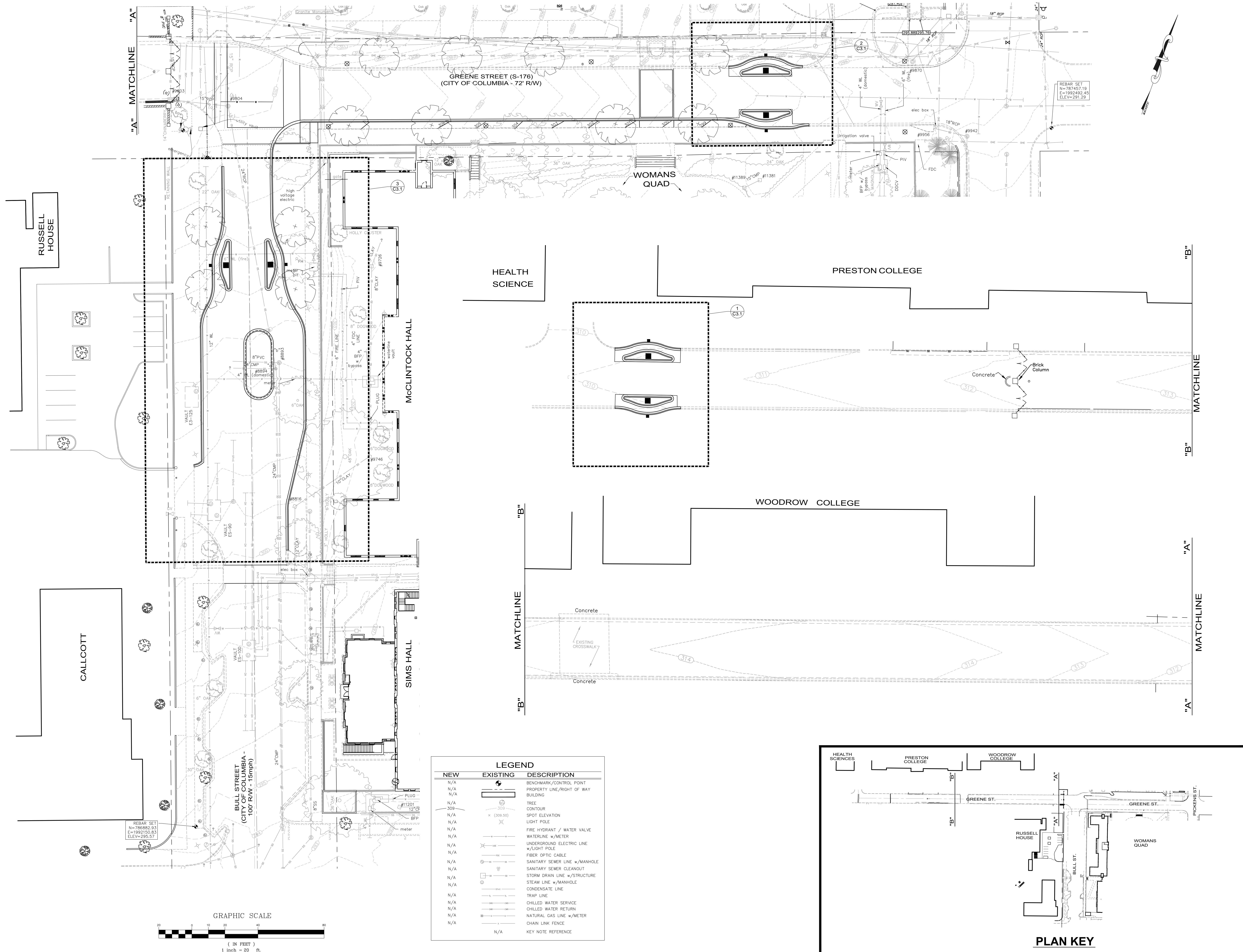
PROJECT TITLE: UNIVERSITY OF SOUTH CAROLINA GREENE / BULL ST. SITE IMPROVEMENTS

DRAWING TITLE: **STAKING PLAN**

DRAWN BY: JDH
CHECKED BY: BBT
FILE: BULL ST-BASE

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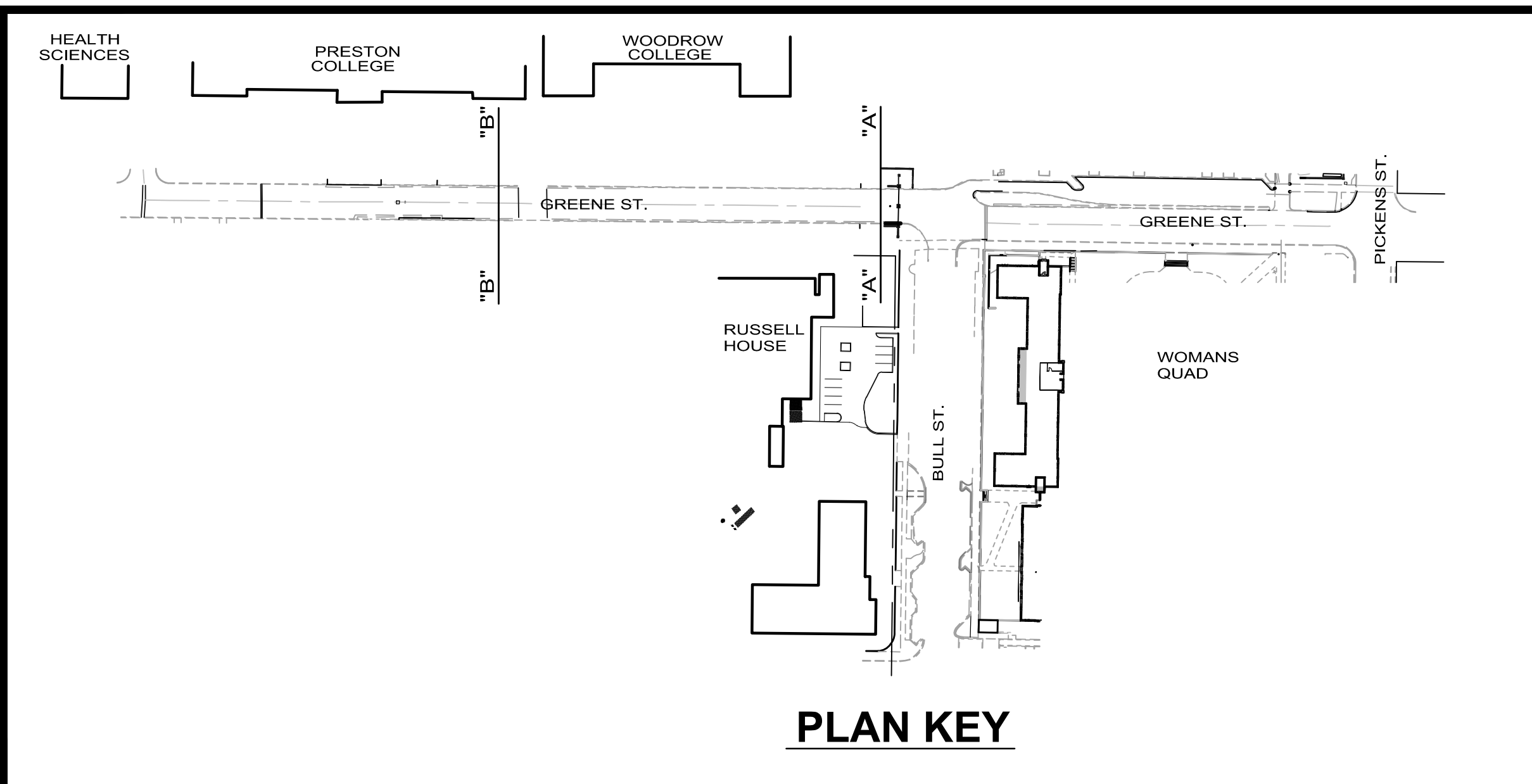
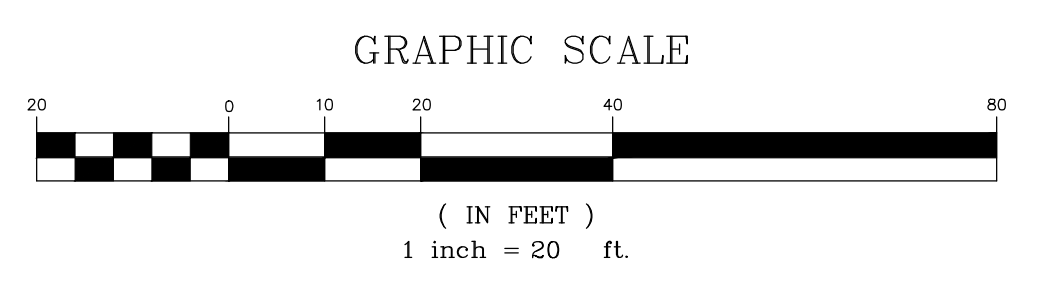
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"A" MATCHLINE

"B" MATCHLINE

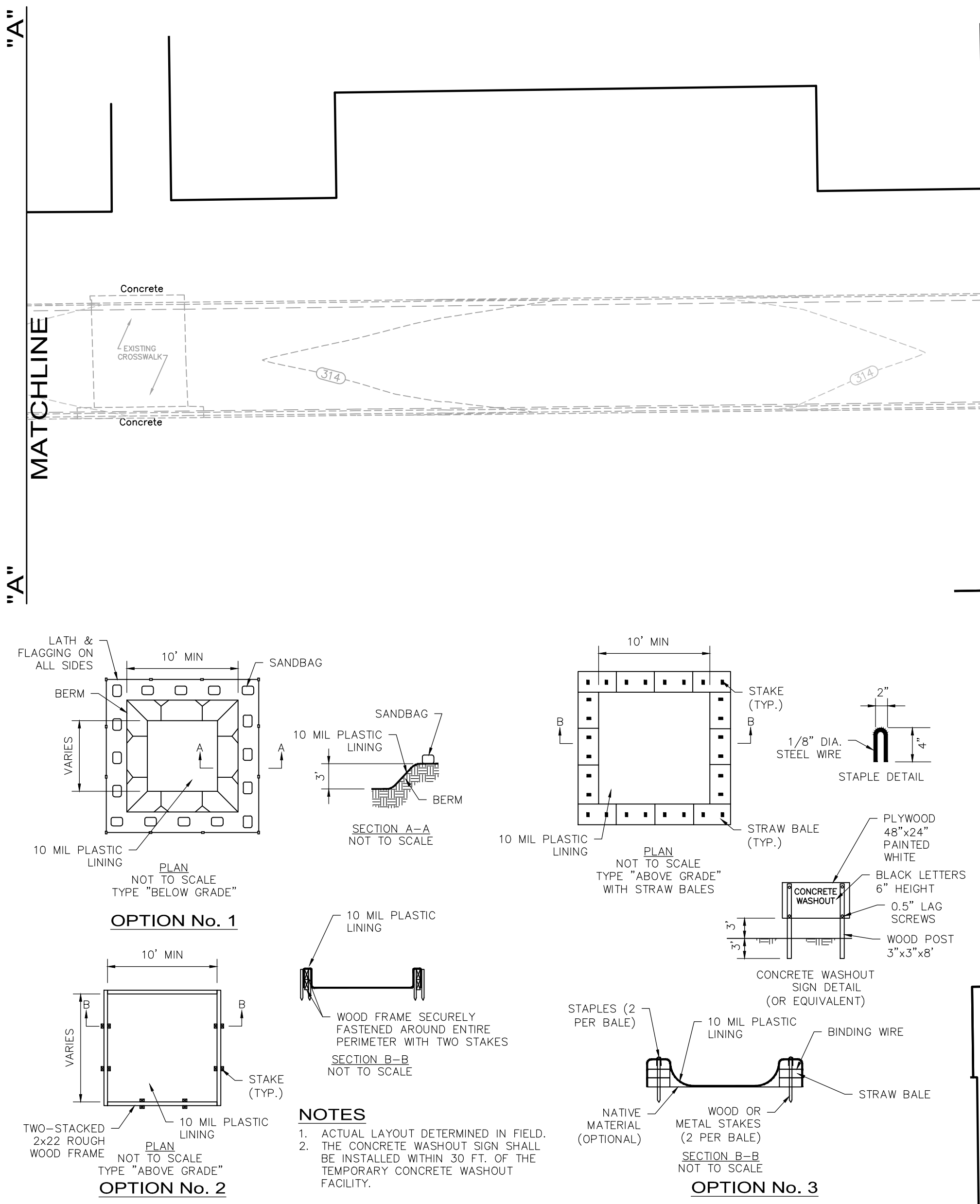
NEW	EXISTING	DESCRIPTION
N/A	+	BENCHMARK/CONTROL POINT
N/A	—	PROPERTY LINE/RIGHT OF WAY
N/A	—	BUILDING
N/A	○	TREE
309	—	CONTOUR
N/A	x (309.50)	SPOT ELEVATION
N/A	⊗	LIGHT POLE
N/A	⊗	FIRE HYDRANT / WATER VALVE
N/A	—	WATERLINE w/METER
N/A	—	UNDERGROUND ELECTRIC LINE w/LIGHT POLE
N/A	—	FIBER OPTIC CABLE
N/A	—	SANITARY SEWER LINE w/MANHOLE
N/A	—	SANITARY SEWER CLEANOUT
N/A	—	STORM DRAIN LINE w/STRUCTURE
N/A	—	STEAM LINE w/MANHOLE
N/A	—	CONDENSATE LINE
N/A	—	TRAP LINE
N/A	—	CHILLED WATER SERVICE
N/A	—	CHILLED WATER RETURN
N/A	—	NATURAL GAS LINE w/METER
N/A	—	CHAIN LINK FENCE
N/A	N/A	KEY NOTE REFERENCE



PLAN KEY

"A" MATCHLINE

"A" MATCHLINE



CONCRETE WASHOUT

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

SILT FENCE INSTALLATION

INSPECTION AND MAINTENANCE OF SILT FENCES
All sediment and erosion control devices shall be inspected at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.2 inches or greater. If site inspections identify BMPs that are damaged or are not functioning effectively, maintenance must be performed as soon as practical or as reasonably possible and before the next storm event whenever practicable. Check for sediment buildup and fence integrity. Check where runoff has eroded a channel beneath the fence, or where the fence has sagged or collapsed by fence overtopping. If the fence fabric tears, tears to deepness, or in any way becomes ineffective, replace the section of fence immediately. Remove sediment accumulated along the fence when it reaches 1/3 the height of the fence, especially if heavy rains are expected. Remove trapped sediment from the site or stabilize it on site. Remove silt fence within 30 days after final stabilization is achieved or after temporary best management practices (BMPs) are no longer needed. Permanently stabilize disturbed areas resulting from fence removal.

FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

SILT FENCE

NOT TO SCALE

ATTACH FILTER FABRIC TO POSTS WITH STAPLES OR TIES

SPACED 6-IN. APART, MAX.

FOLD FABRIC TO OVERLAP 6 INCHES AND SECURE TO POSTS WITH STAPLES OR WIRE TIES

BURY FABRIC (SEE DETAIL)

POST INSTALLATION DETAIL

24-IN. MIN. 3-FT. MAX. SPACING

ATTACH FILTER FABRIC TO POSTS WITH STAPLES OR TIES

SPACED 6-IN. APART, MAX.

FOLD FABRIC TO OVERLAP 6 INCHES AND SECURE TO POSTS WITH STAPLES OR WIRE TIES

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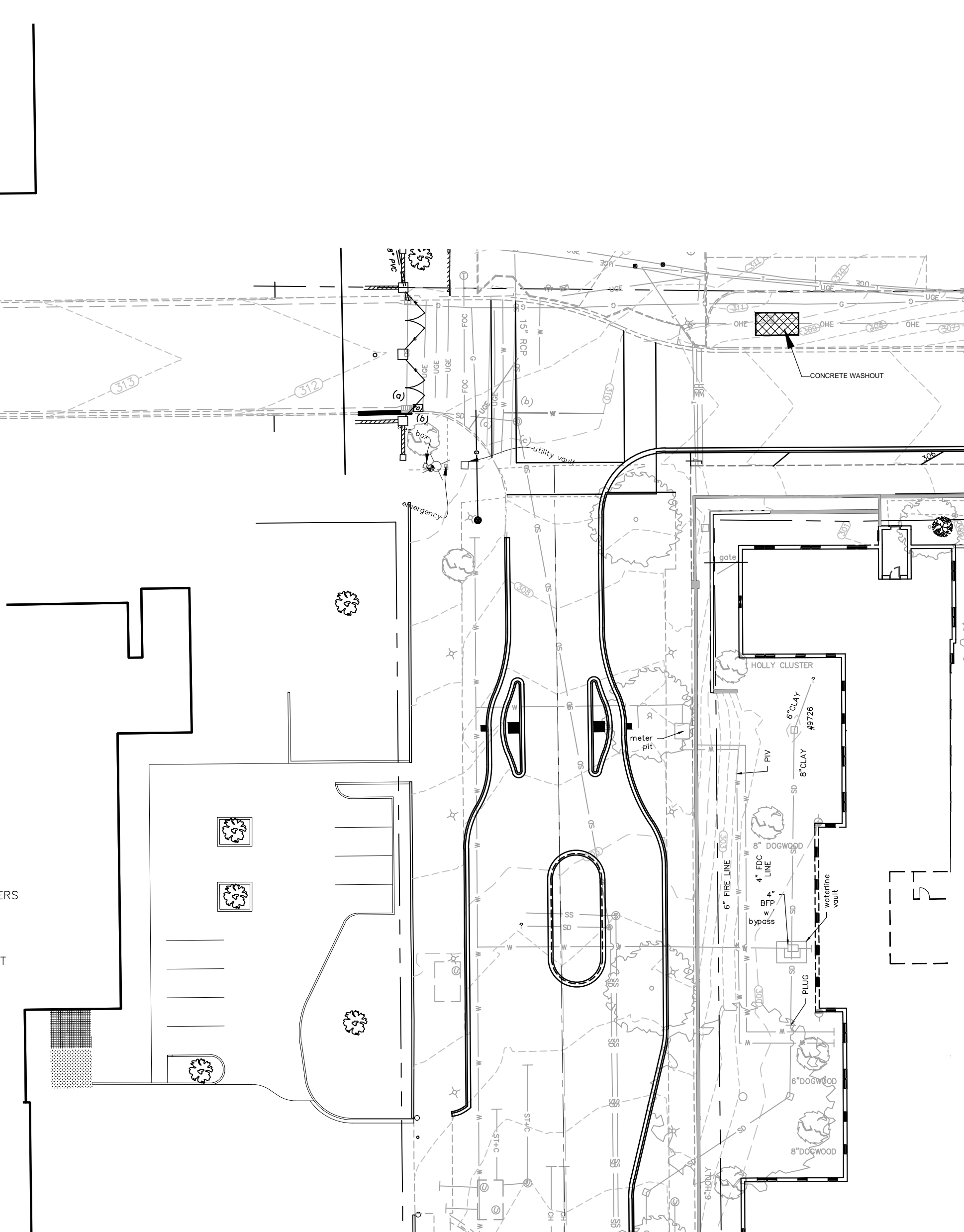
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SPACED 6-IN. APART, MAX.

"A" MATCHLINE

"A" MATCHLINE

"A" MATCHLINE



CONSTRUCTION SEQUENCE OF ENTIRE CONSTRUCTION AREA FOR EROSION AND SEDIMENT CONTROL

1. RECEIVE NOTES COVERAGE FROM DHC
2. PRE-CONSTRUCTION MEETING CONDUCTED IF MORE THAN 10 DISTURBED AND NON-LINEAR
3. NOTIFY DHC EOC REGIONAL OFFICE OR DOWM OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES
4. INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE)
5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS
6. INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE)
7. CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED)
8. REGRADING
9. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED
10. FINE GRADING, PAVING, ETC.
11. PERMANENT/FINAL STABILIZATION
12. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARED OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES)
13. SUBMIT NOTICE OF TERMINATION (NOT) TO DHC AS APPROPRIATE

EROSION AND SEDIMENT CONTROL MEASURES

GENERAL

THE CONTRACTOR IS ADVISED THAT ALL GRADING AND DRAINAGE WORK ON THE PROJECT IS PERMITTED UNDER THE REQUIREMENTS OF THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL. COMPLIANCE WITH THE POINTED CONDITIONS IS MANDATORY. THE CONTRACTOR SHALL RELY ON EXPERIENCE AND CONTROL OF THE WORK TO PROVIDE ADEQUATE AND ORDERLY CONSTRUCTION METHODS TO CONTROL STORMWATER RUNOFF AND PREVENT THE EXCESSIVE MIGRATION OF SEDIMENTS FROM THE SITE. THE CONTRACTOR ALSO SHALL DIRECT INSTALLATION OF NECESSARY TEMPORARY CONSTRUCTION MEASURES TO CONTROL STORMWATER RUNOFF. ALL STORMWATER MANAGEMENT MEASURES SHALL BE INSPECTED AFTER EACH RAIN EVENT AND ANY REQUIRED MAINTENANCE SHALL BE PERFORMED.

SILT FENCES

SILT FENCES OR EQUIVALENT SEDIMENT CONTROL SHALL BE INSTALLED WHERE INDICATED AND MAINTAINED IN ACCORDANCE WITH THIS PLAN.

STORM DRAINAGE STRUCTURES

TEMPORARY BARRIERS OF OTHER SILT FENCES OR ROCK BARRIERS SHALL BE INSTALLED AND MAINTAINED AROUND STORM DRAINAGE STRUCTURES UNTIL THEIR DRAINAGE AREA IS STABILIZED. STORM DRAINAGE PIPES, INCLUDING OUTLET PROTECTION, SHALL BE INSTALLED AS SOON AS EARTH GRADING IS ADEQUATE TO ACCEPT PIPE INSTALLATION. INLET STRUCTURES SHALL BE CONSTRUCTED AS THE EARTH IS PLACED AND CONSTRUCTION SHALL AT ALL TIMES PROVIDE SURFACE DRAINAGE TO THEM. TEMPORARY BARRIERS SHALL BE INSTALLED AND MAINTAINED AT EACH INLET AS THE EARTH FULL RISES.

STABILIZATION OF DISTURBED AREAS

DISTURBED AREAS SHALL RECEIVE STABILIZING MEASURES WITHIN 14 DAYS AFTER DISTURBANCES, UNLESS CONSTRUCTION WILL RESUME IN THAT AREA WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED.

INSPECTION AND MAINTENANCE

SEDIMENT CONTROL SYSTEMS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER ANY RAINFALL EVENT EXCEEDING 0.5 INCH. ANY NEEDED CORRECTIONS OR MAINTENANCE SHALL BE ACCOMPLISHED IMMEDIATELY THEREAFTER.

REMOVAL OF SEDIMENT CONTROL SYSTEMS

TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER EACH AFFECTED AREA HAS BEEN "FINALLY STABILIZED".

TEMPORARY DIVERSIONS

TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LOADS WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

PREDOMINANT SOIL TYPE

GRASSING PER 1000 SQUARE FEET (TEMPORARY)

FROM MAY 1 TO AUGUST 30 FROM SEPTEMBER 1 TO APRIL 30
ANNUAL PREPARATION:
1 LB. BROWN-TOP WHEAT GRASS 15 LBS. 10-10-10 FERTILIZER
2 LBS. MAGNESIUM SULFATE 10 LBS. CALCIUM (075PM)
3 LBS. CALCIUM (075PM) 10 LBS. CALCIUM (075PM)

PERMANENT GRASSING

(SEE LANDSCAPE ARCHITECTURE PLANS FOR PERMANENT GRASSING, GRASS SEEDS, PLANTINGS, ETC.)

AIRBORNE DUST CONTROL

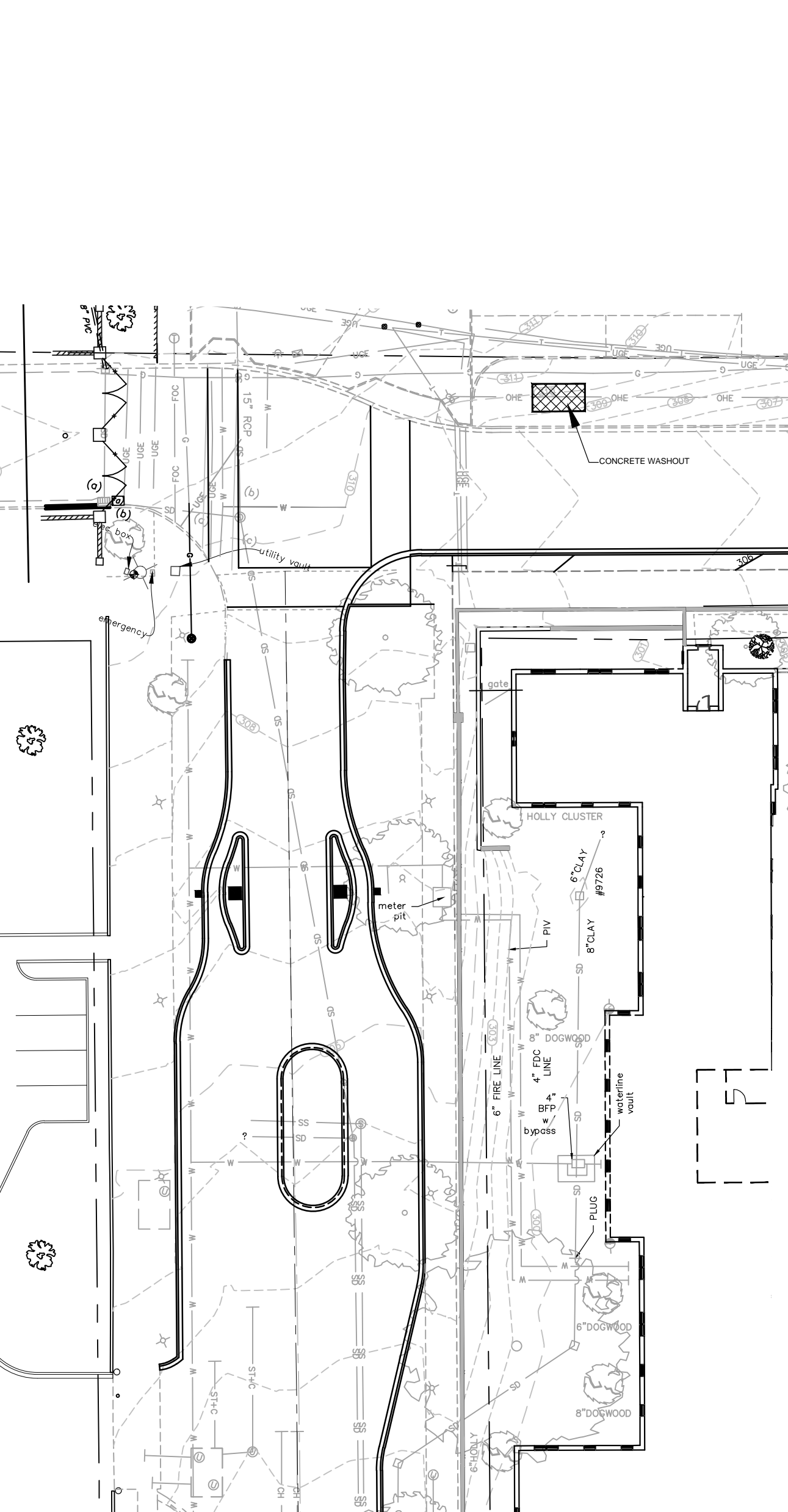
THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS OUTLINED IN THE SOUTH CAROLINA DHC STORMWATER MANAGEMENT BMP HANDBOOK AS NEEDED TO CONTROL AIRBORNE DUST DURING CONSTRUCTION. COORDINATE WITH ENGINEER PRIOR TO IMPLEMENTATION OF VARIOUS MEASURES.

CONCRETE WASHOUT

CONCRETE WASHOUT

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CONCRETE WASHOUT

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

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INSPECTION AND MAINTENANCE OF SILT FENCES
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FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

SILT FENCE

NOT TO SCALE

ATTACH FILTER FABRIC TO POSTS WITH STAPLES OR TIES

SPACED 6-IN. APART, MAX.

FOLD FABRIC TO OVERLAP 6 INCHES AND SECURE TO POSTS WITH STAPLES OR WIRE TIES

BURY FABRIC (SEE DETAIL)

POST INSTALLATION DETAIL

24-IN. MIN. 3-FT. MAX. SPACING

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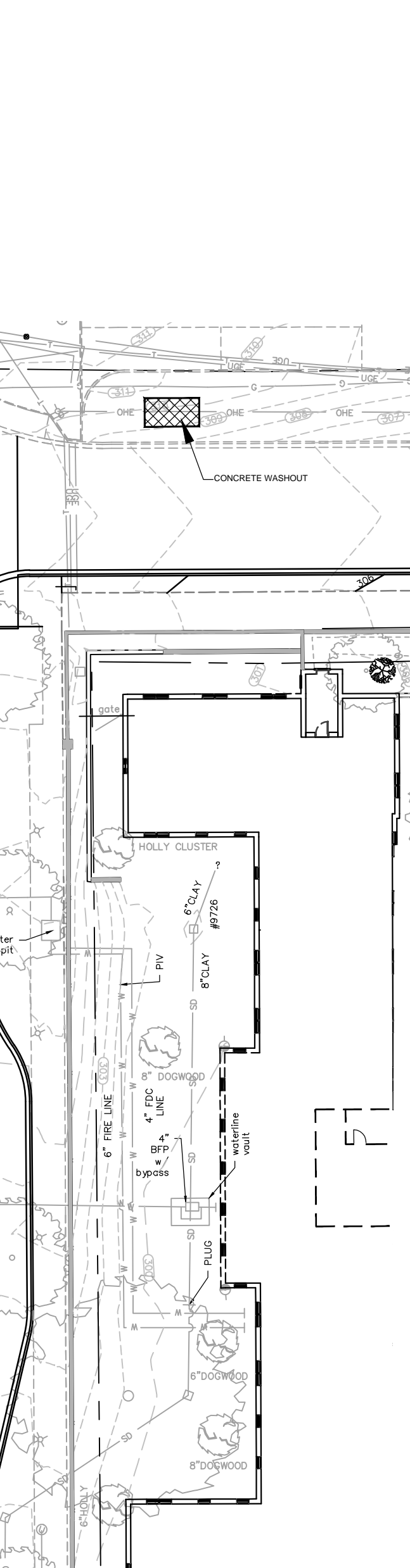
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CONCRETE WASHOUT

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

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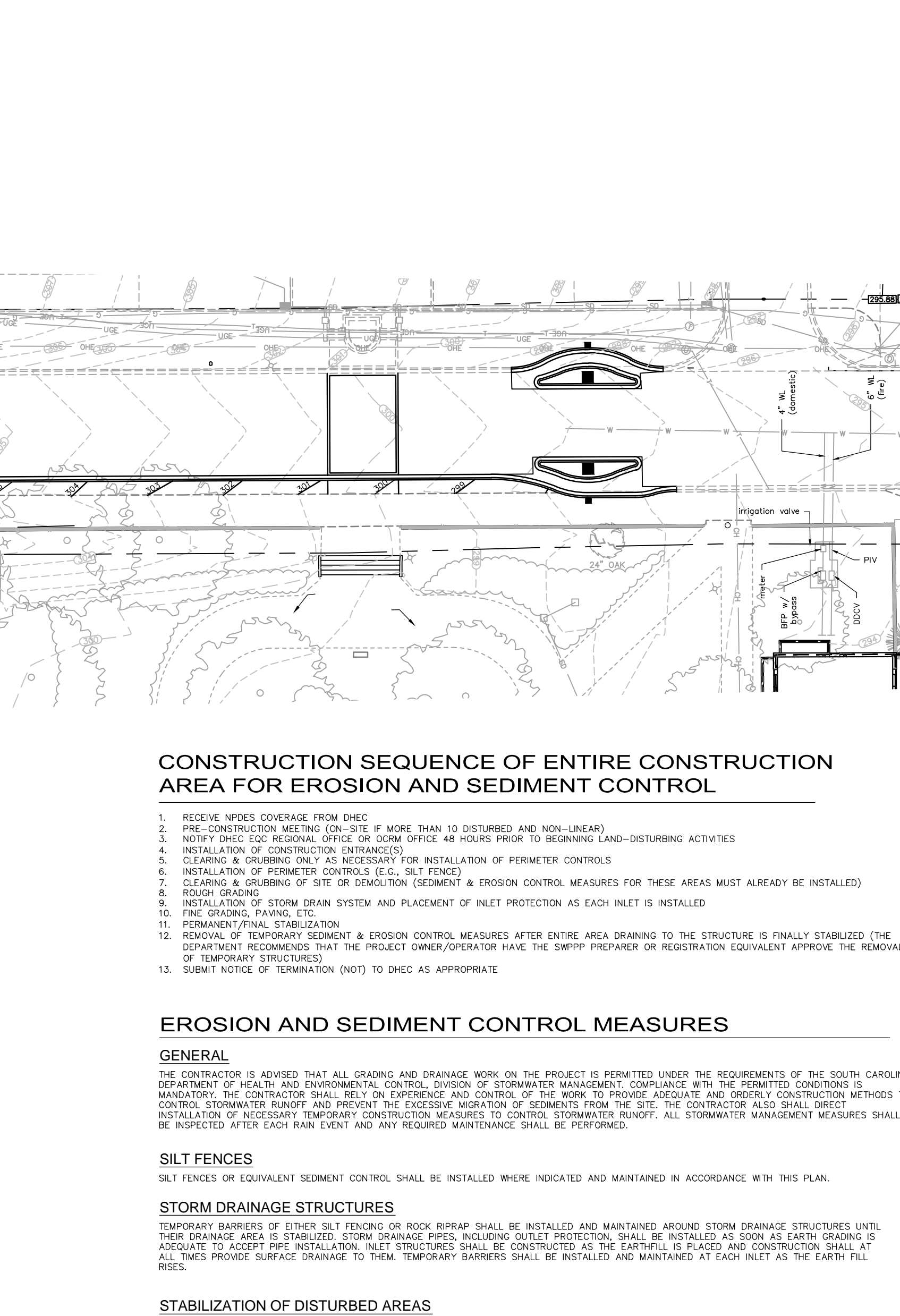
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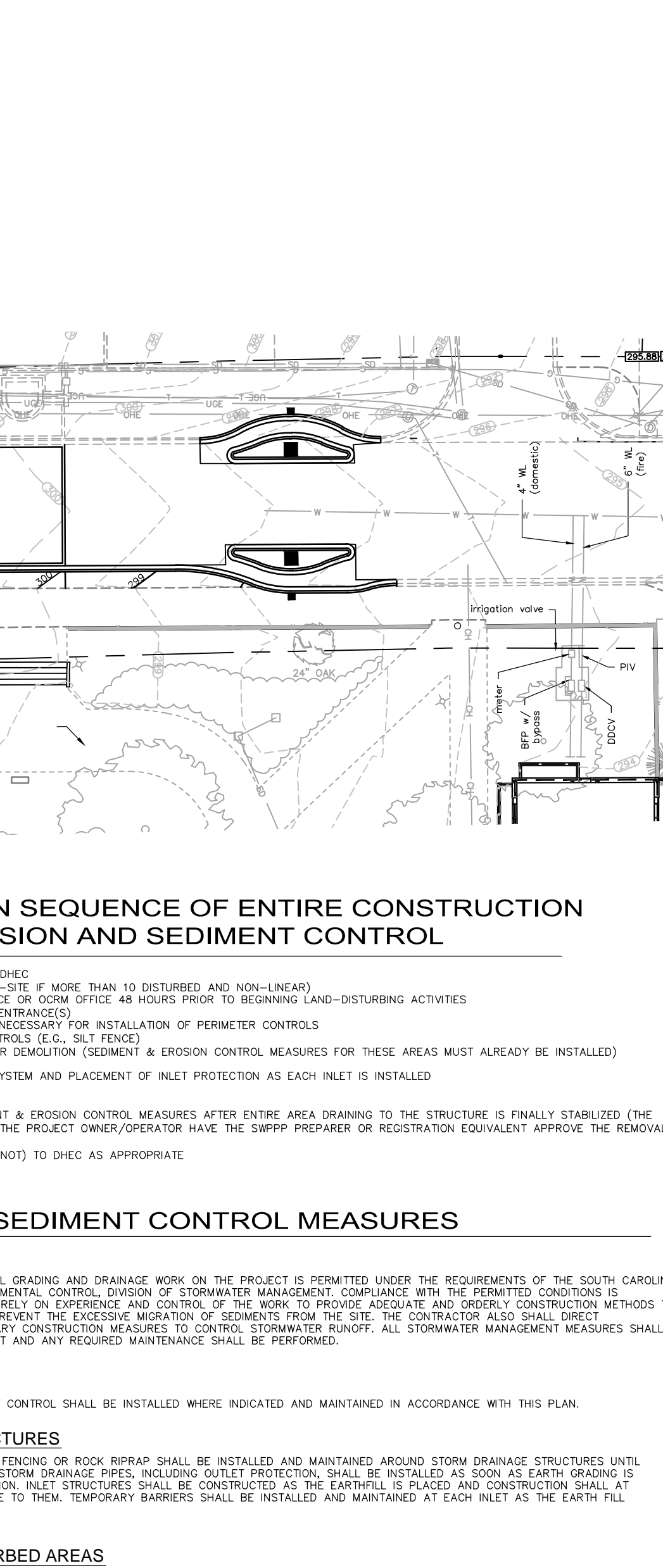
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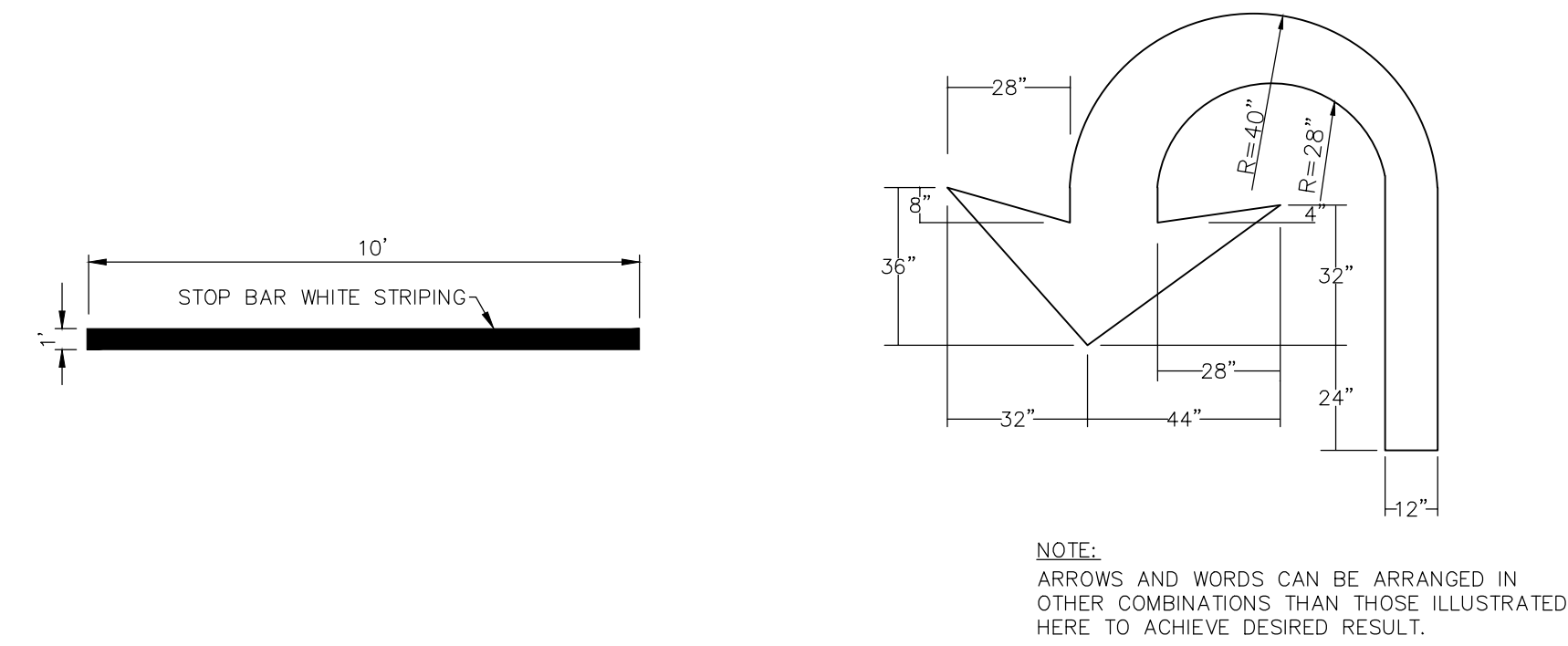
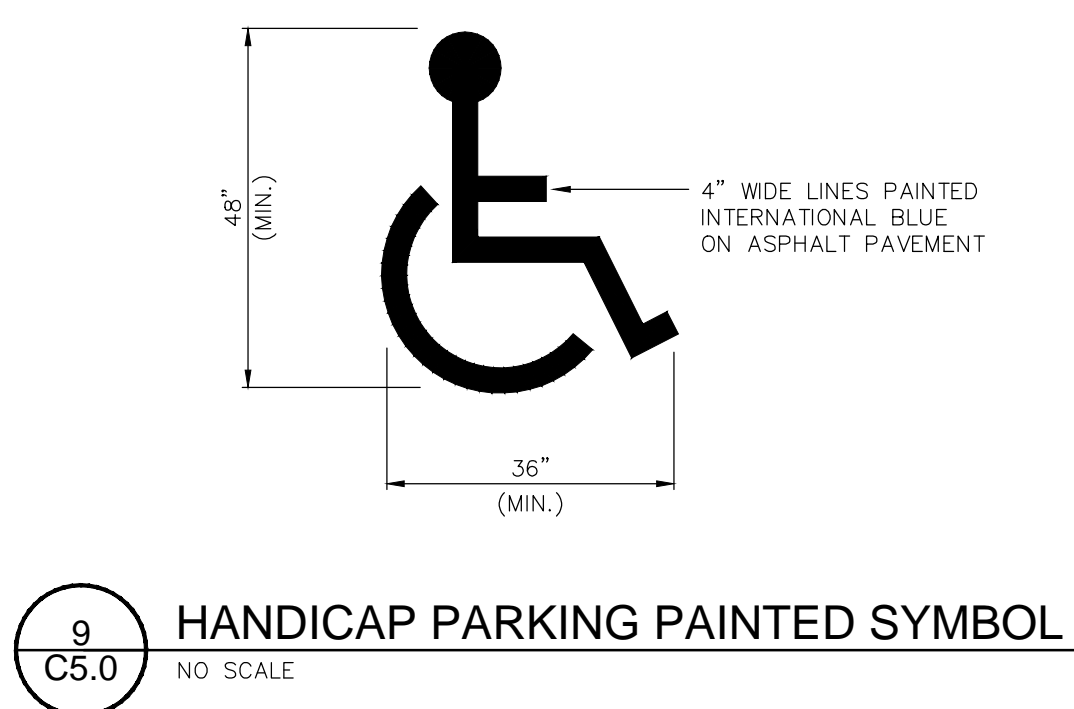
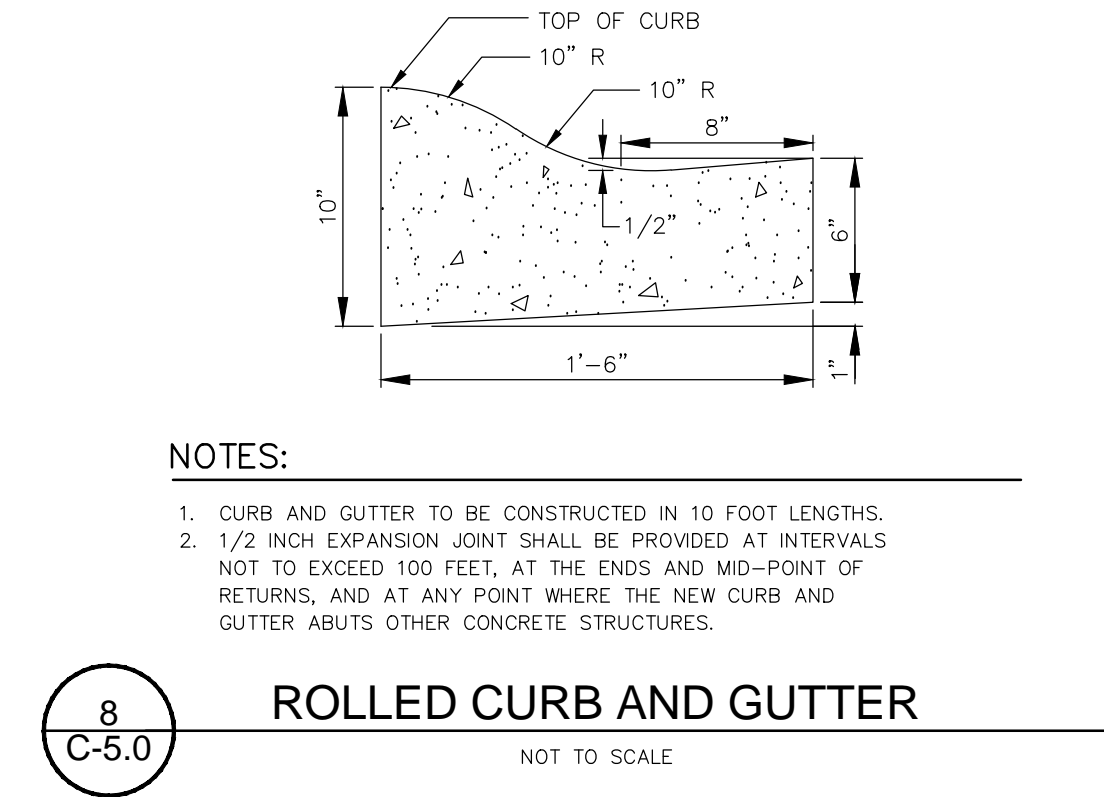
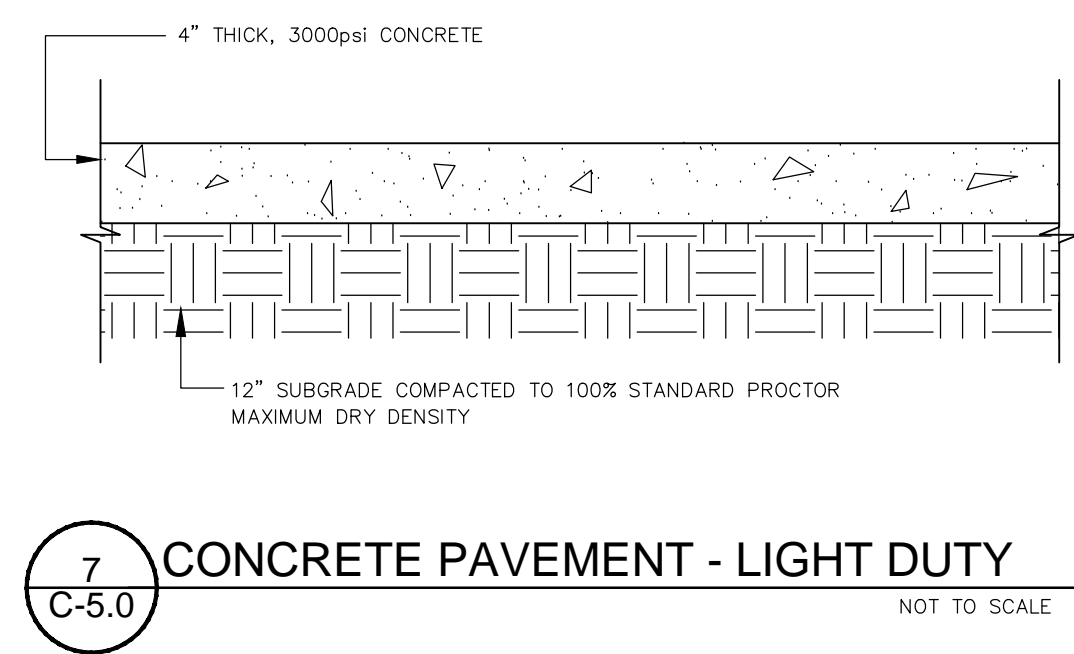
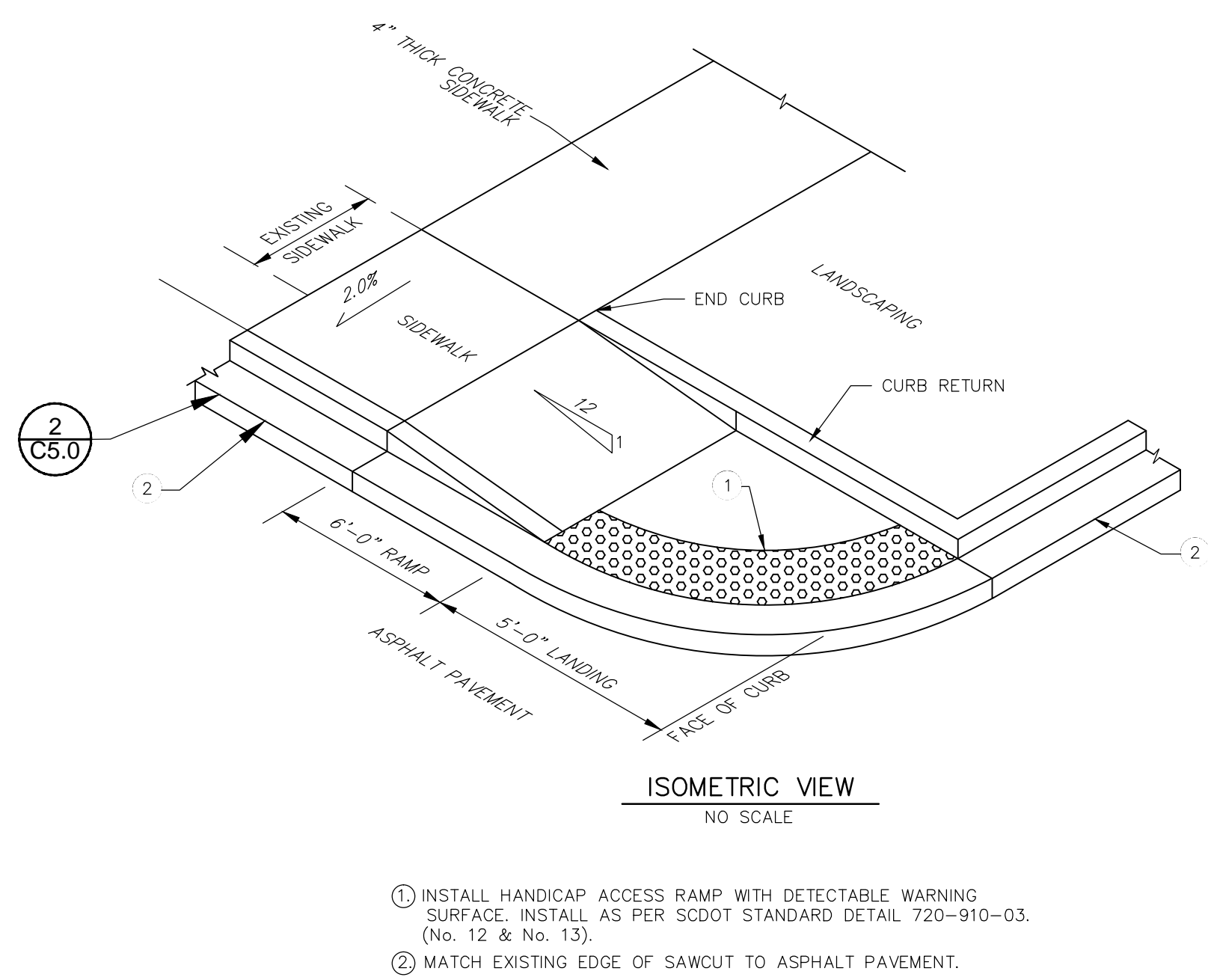
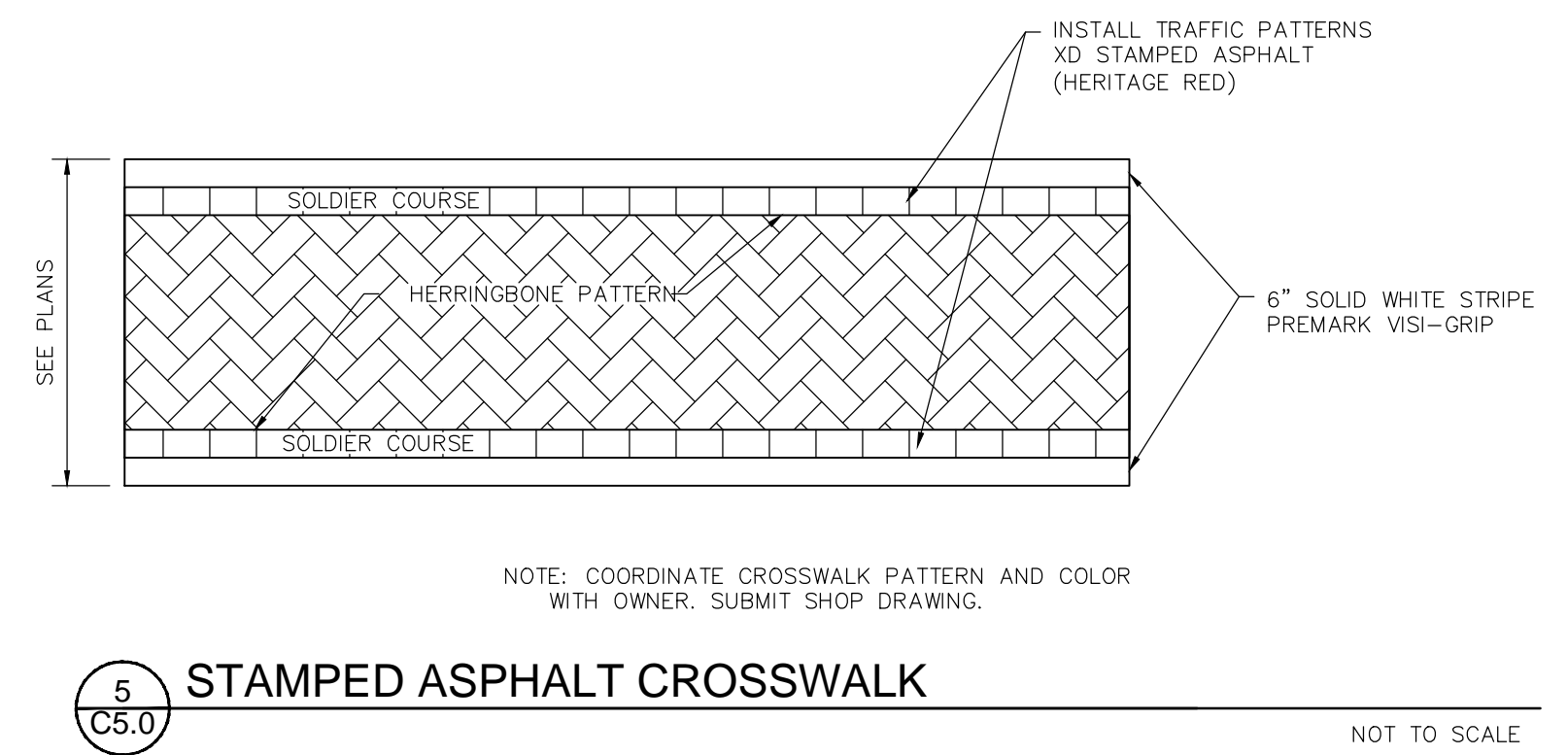
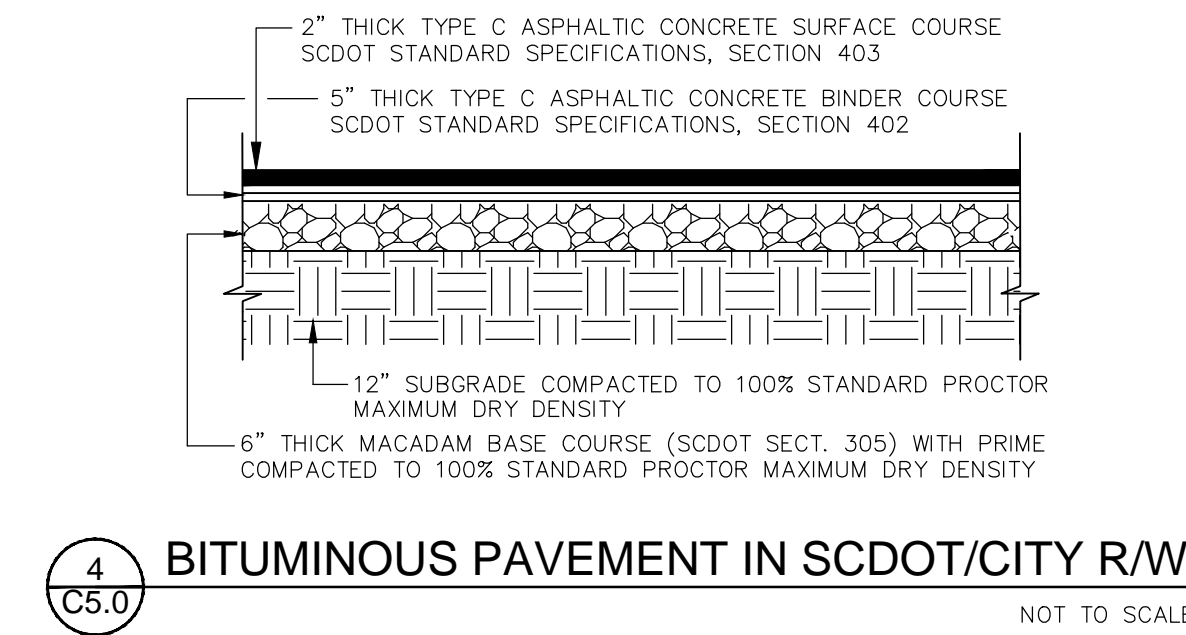
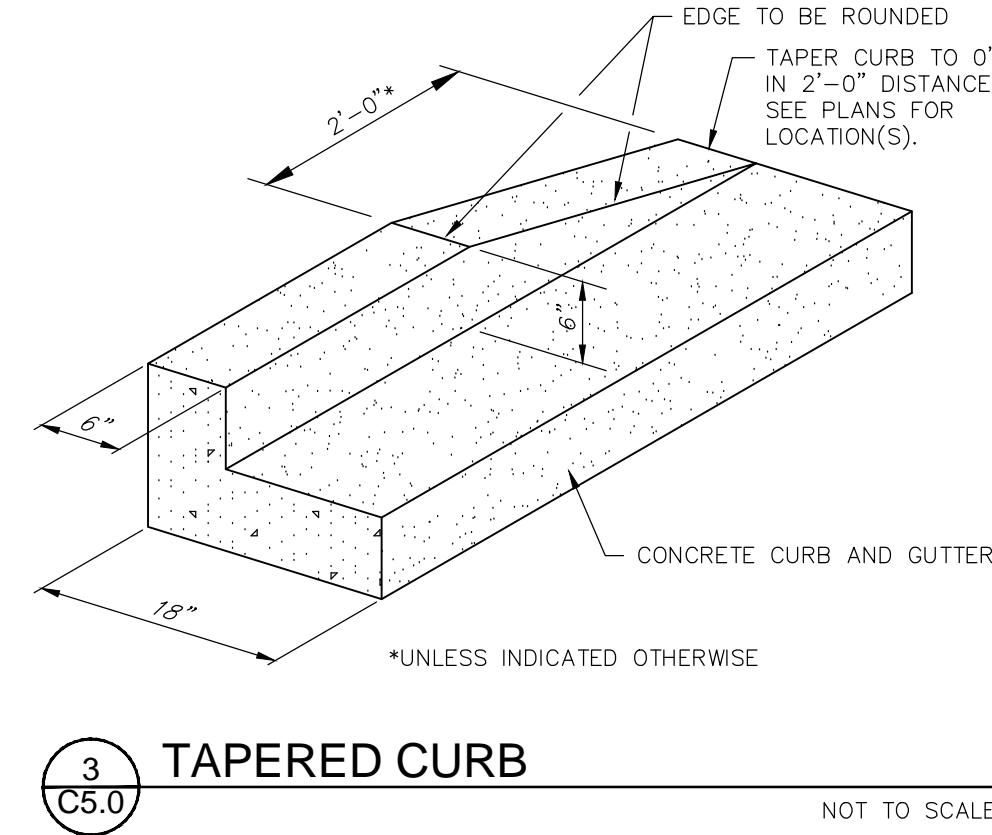
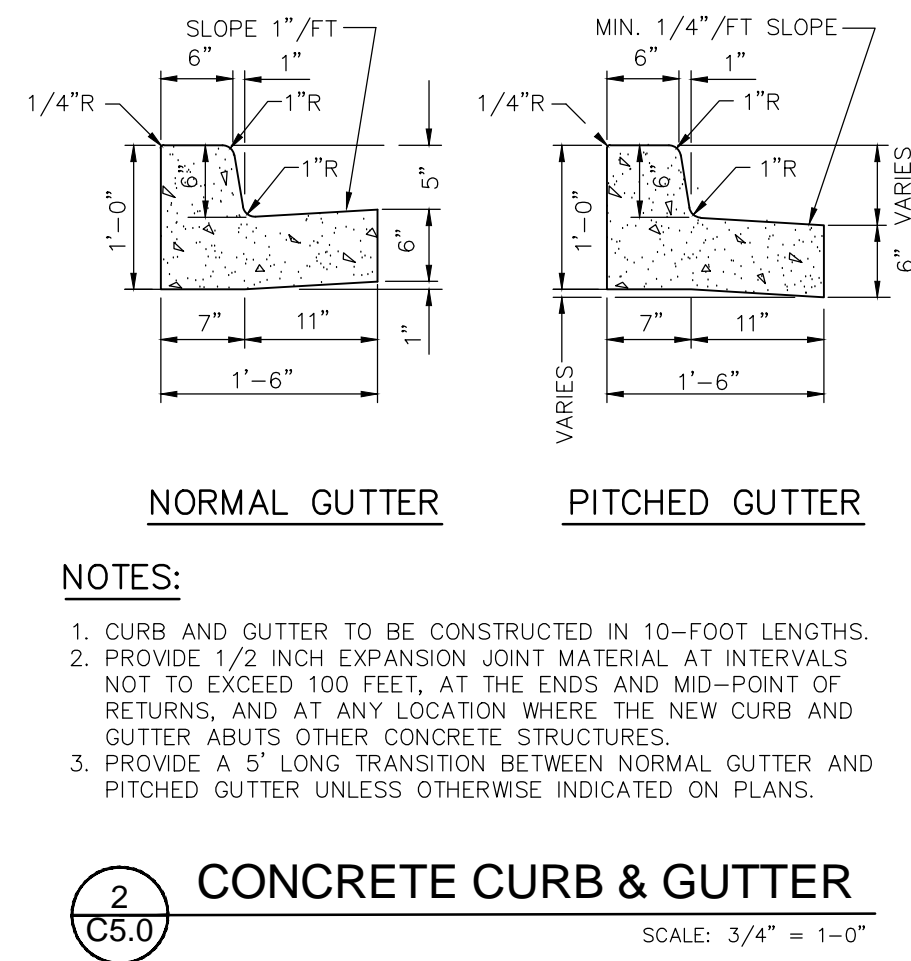
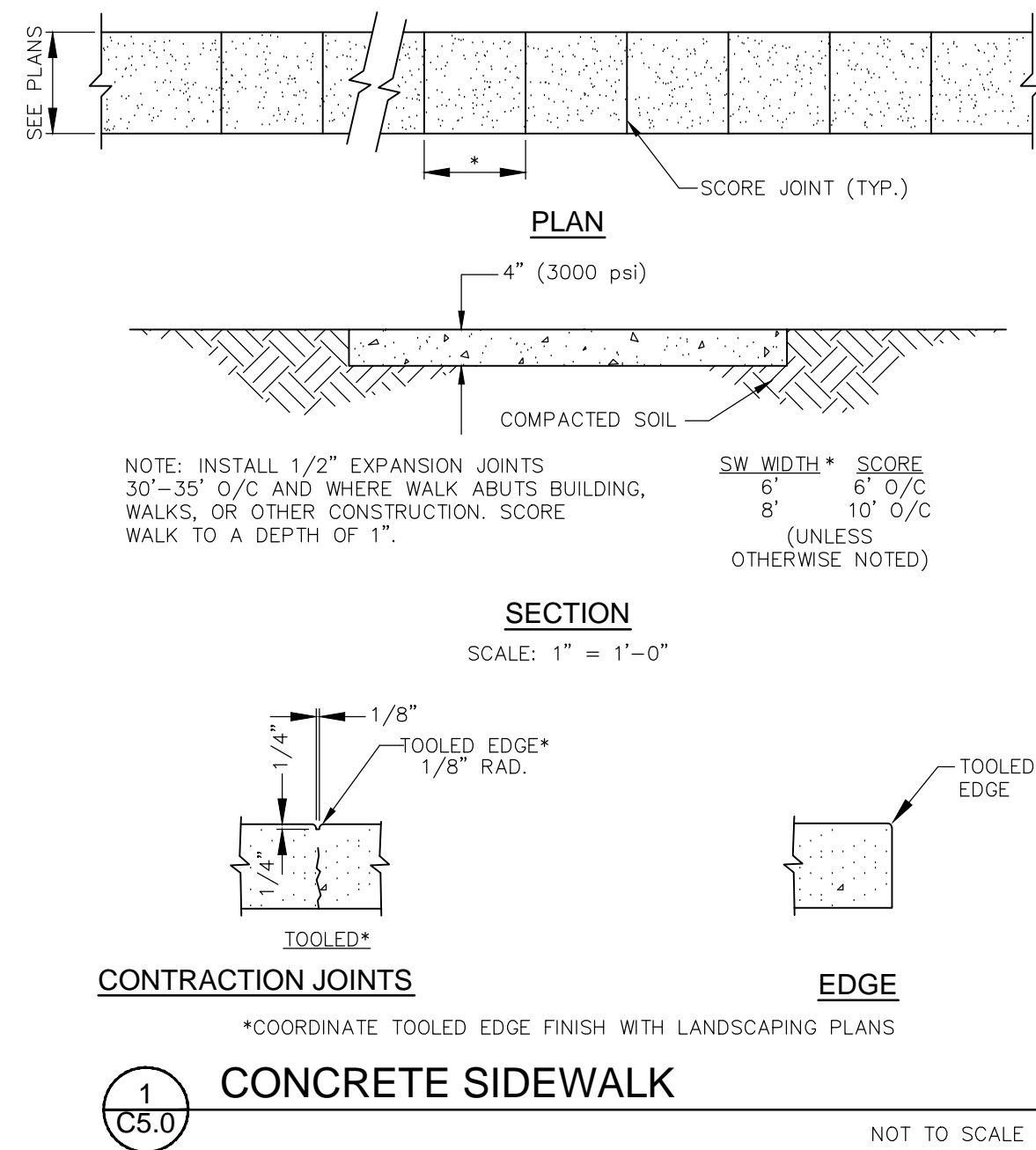
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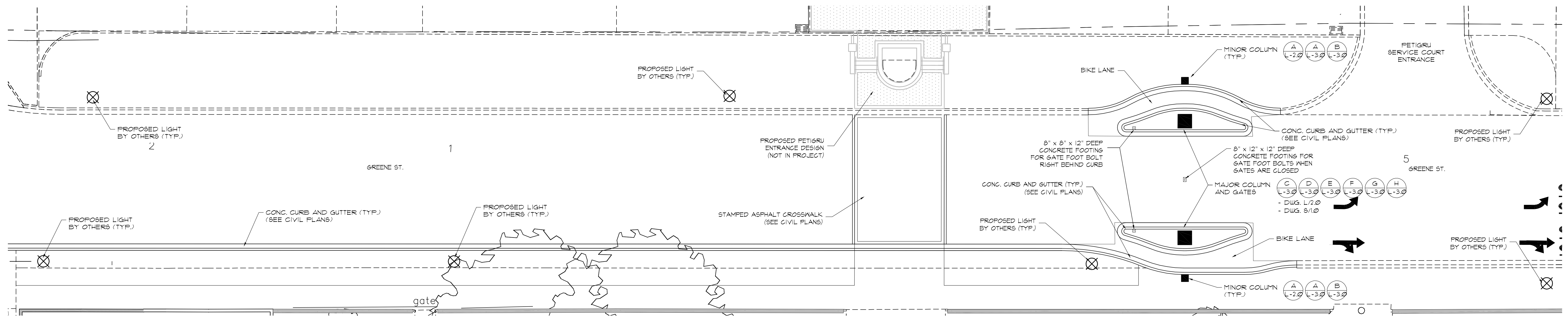
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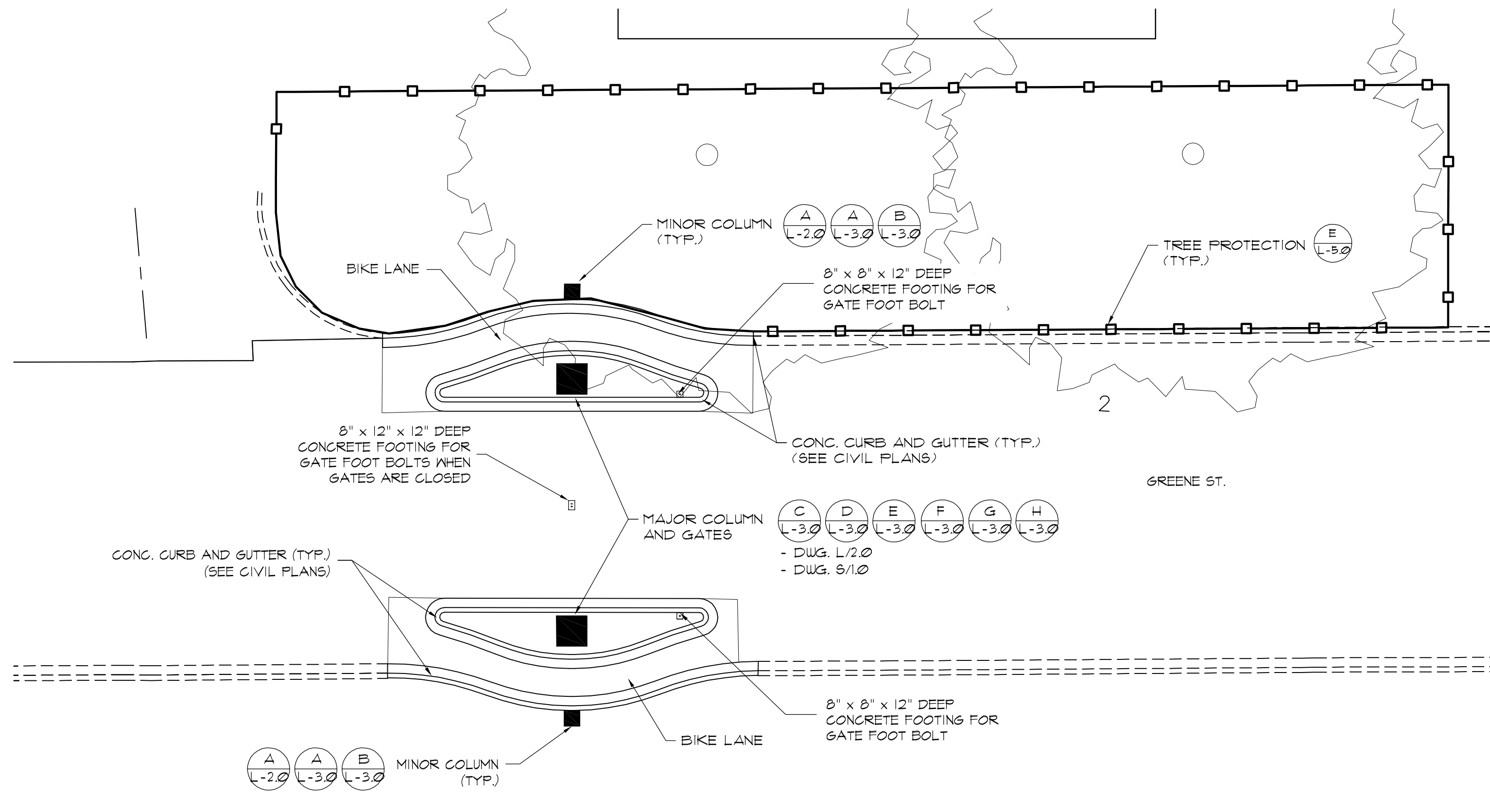
BURY FABRIC (SEE DETAIL)



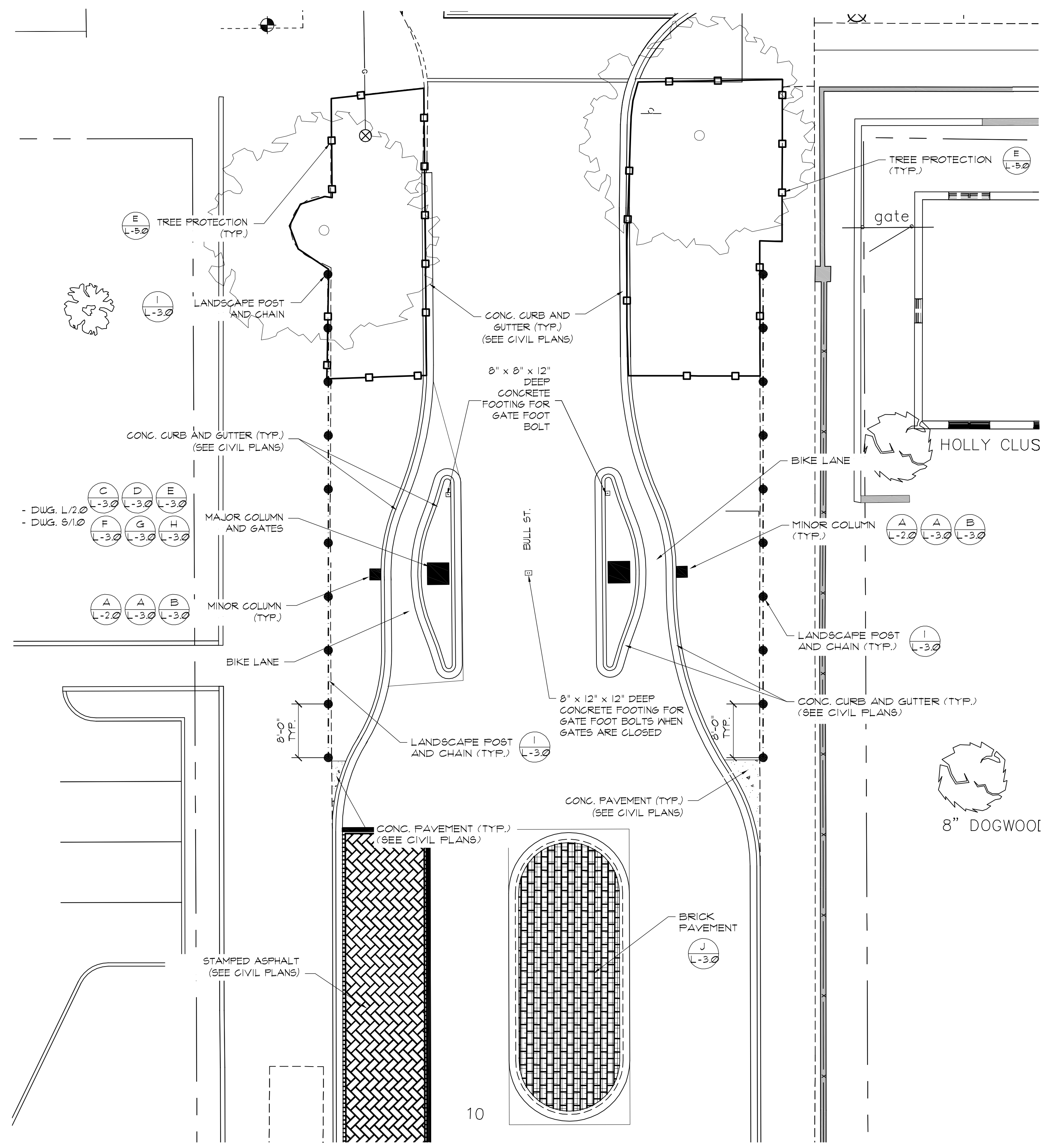
NOTE: ALL STRIPING PER SCDOT MUTCD.



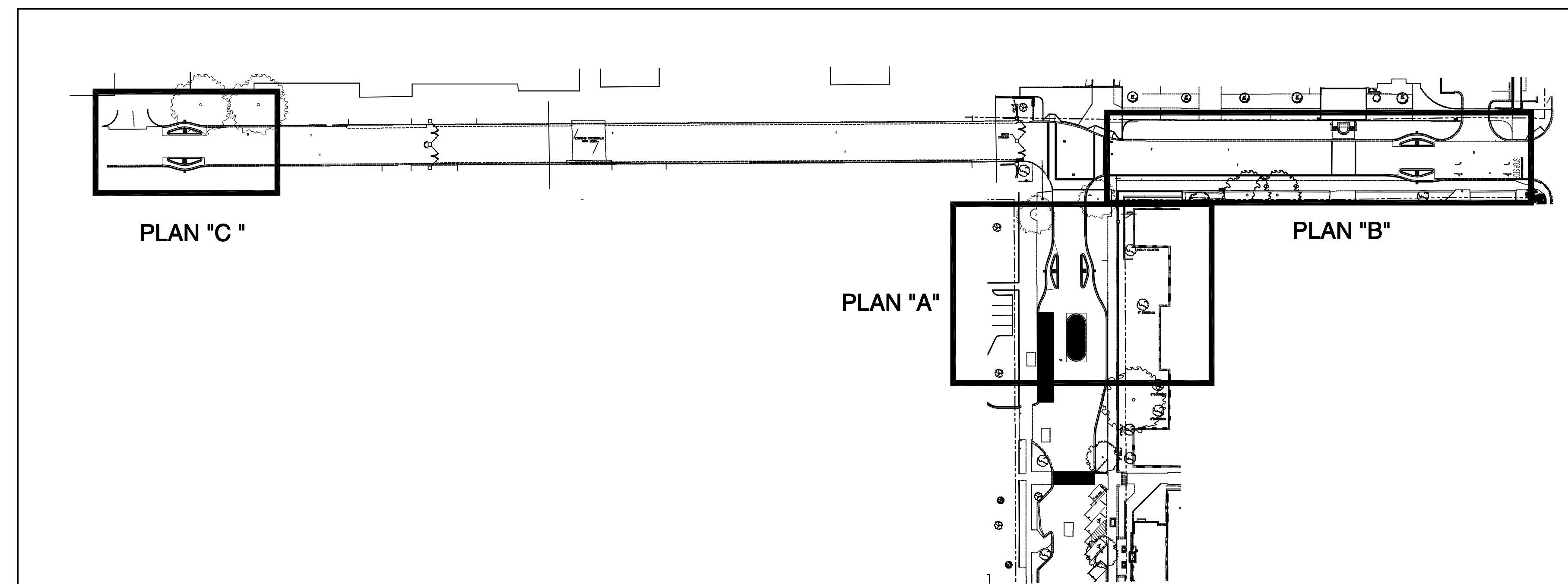
B GREENE ST. DETAIL KEY
L-1.0 PLAN SCALE 1"=10'-0"



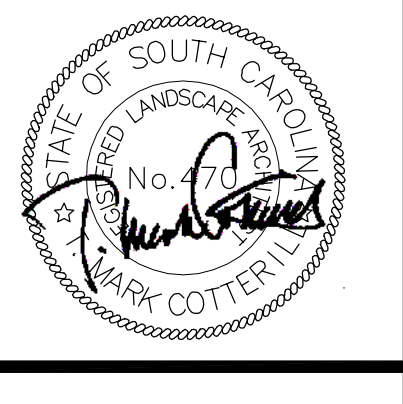
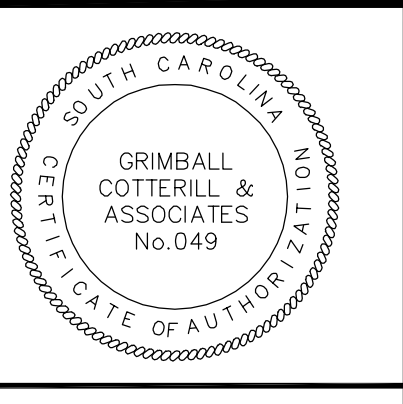
C GREENE ST. DETAIL KEY
L-1.0 PLAN SCALE 1"=10'-0"



A BULL ST. DETAIL KEY
L-1.0 PLAN SCALE 1"=10'-0"



PLAN KEY
PLAN NOT TO SCALE



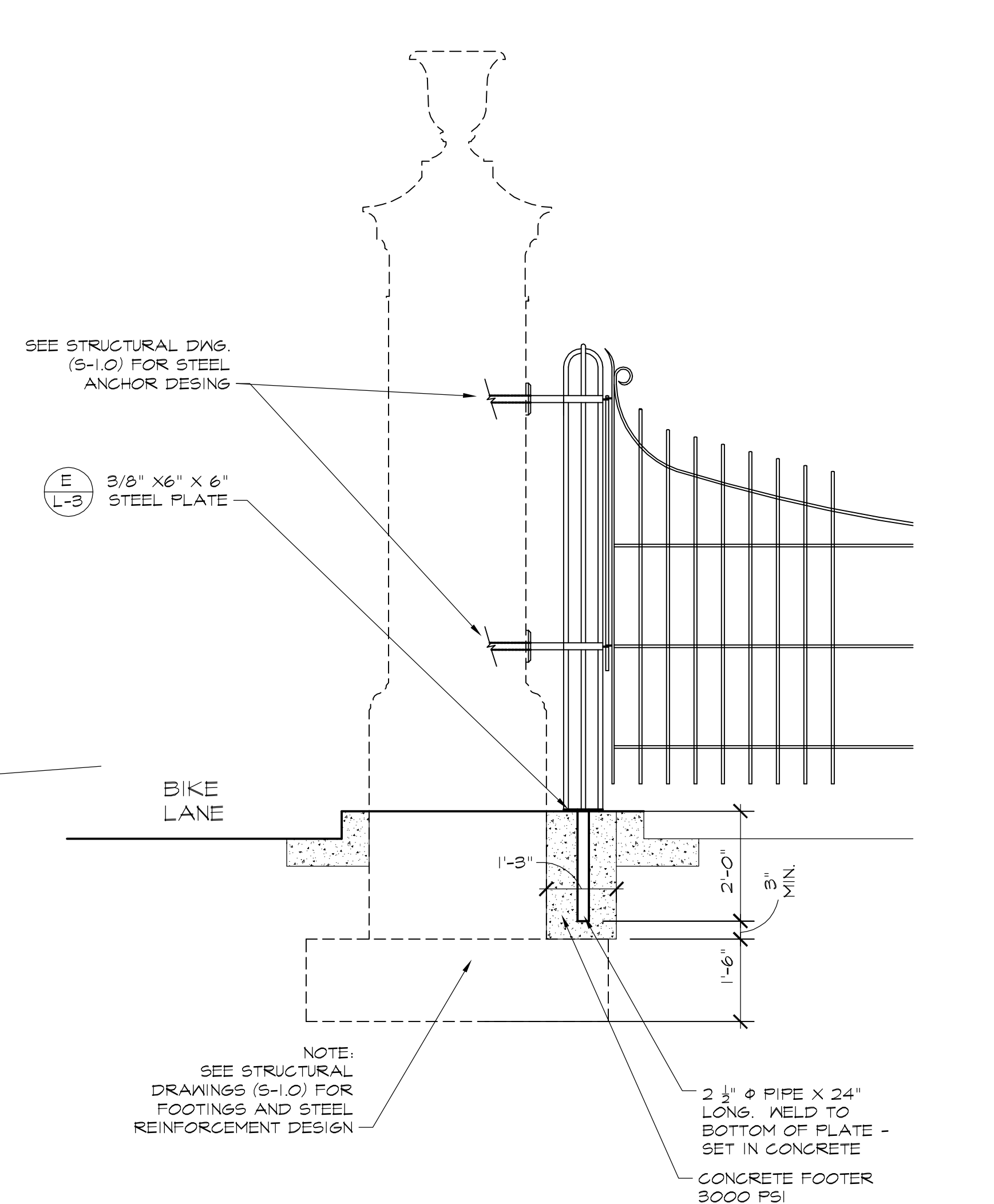
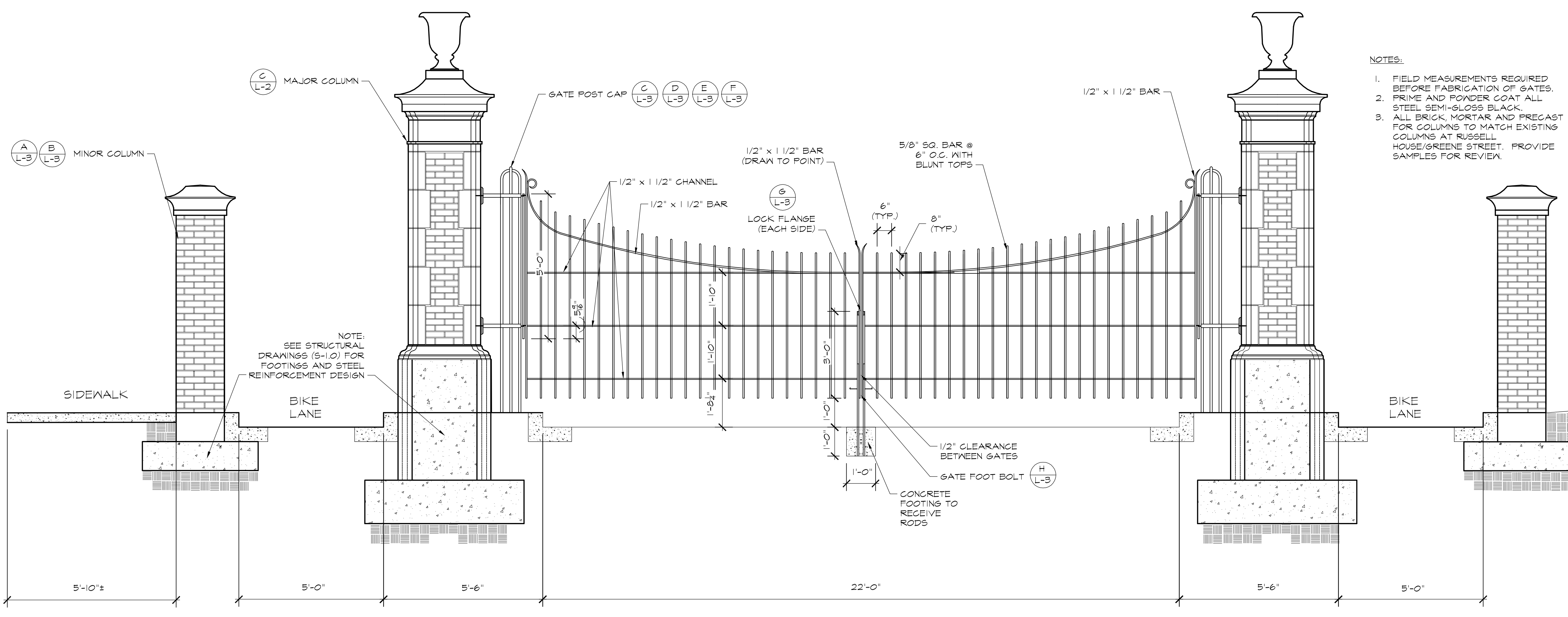
UNIVERSITY OF SOUTH CAROLINA
BULL STREET TURN AROUND
RICHLAND COUNTY, SOUTH CAROLINA

PROJECT TITLE
DRAWING TITLE
DETAIL KEY / TREE PROTECTION PLAN

DRAWN BY: ZVAW
CHECKED BY: TDW
FILE: BULL-ST-BASE
DATE: 24 FEB 2014

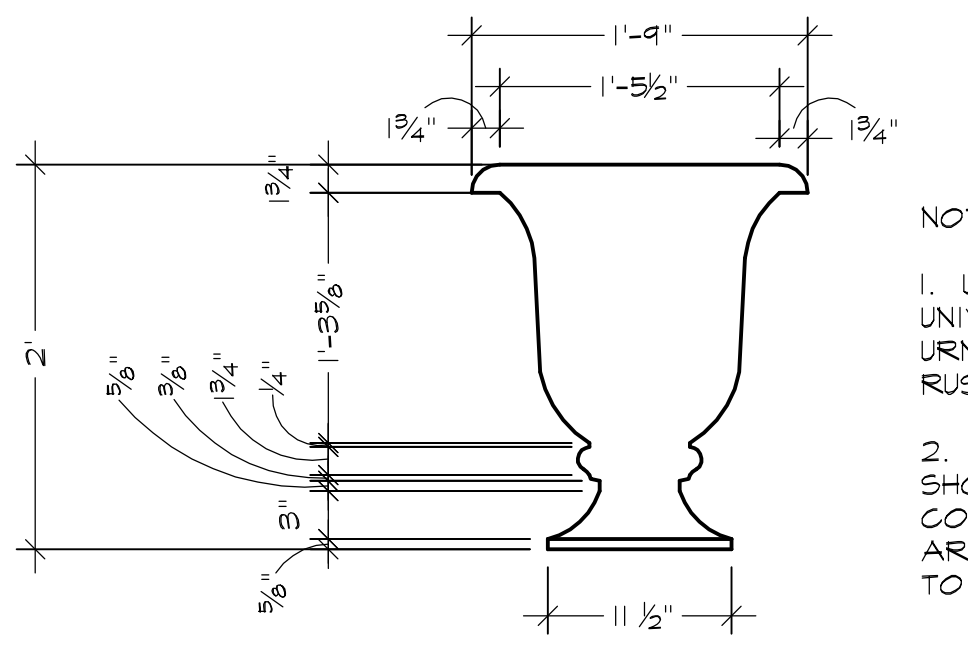
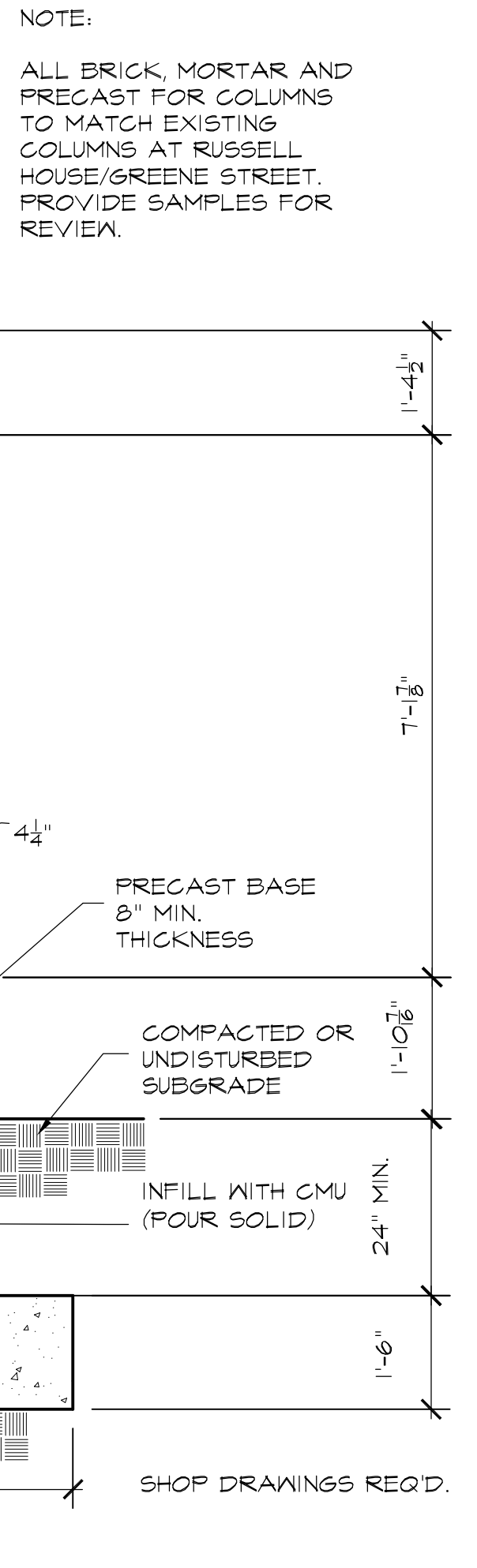
PROJECT NO.: 12-216
DATE: 24 FEB 2014
DRAWING NO.: L-1.0

Mar 18, 2014 - 10:15am \\Palmnetto\grmccott\Active Projects on Maple\1-2 Projects\USC Greene Street-Bull Street Closure\CD Base update.dwg
Mar 18, 2014 - 10:15am \\Palmnetto\grmccott\Active Projects on Maple\1-2 Projects\USC Greene Street-Bull Street Closure\CD Base update.dwg

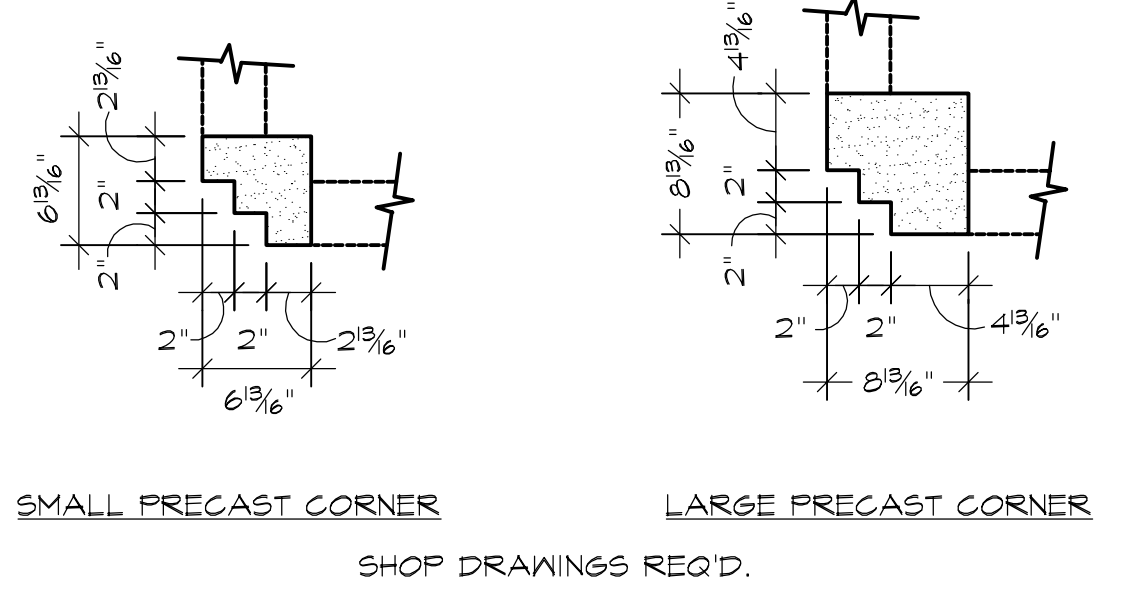


A GATE/COLUMN DETAIL
L-2.0 ELEVATION SCALE 1/2"=1'

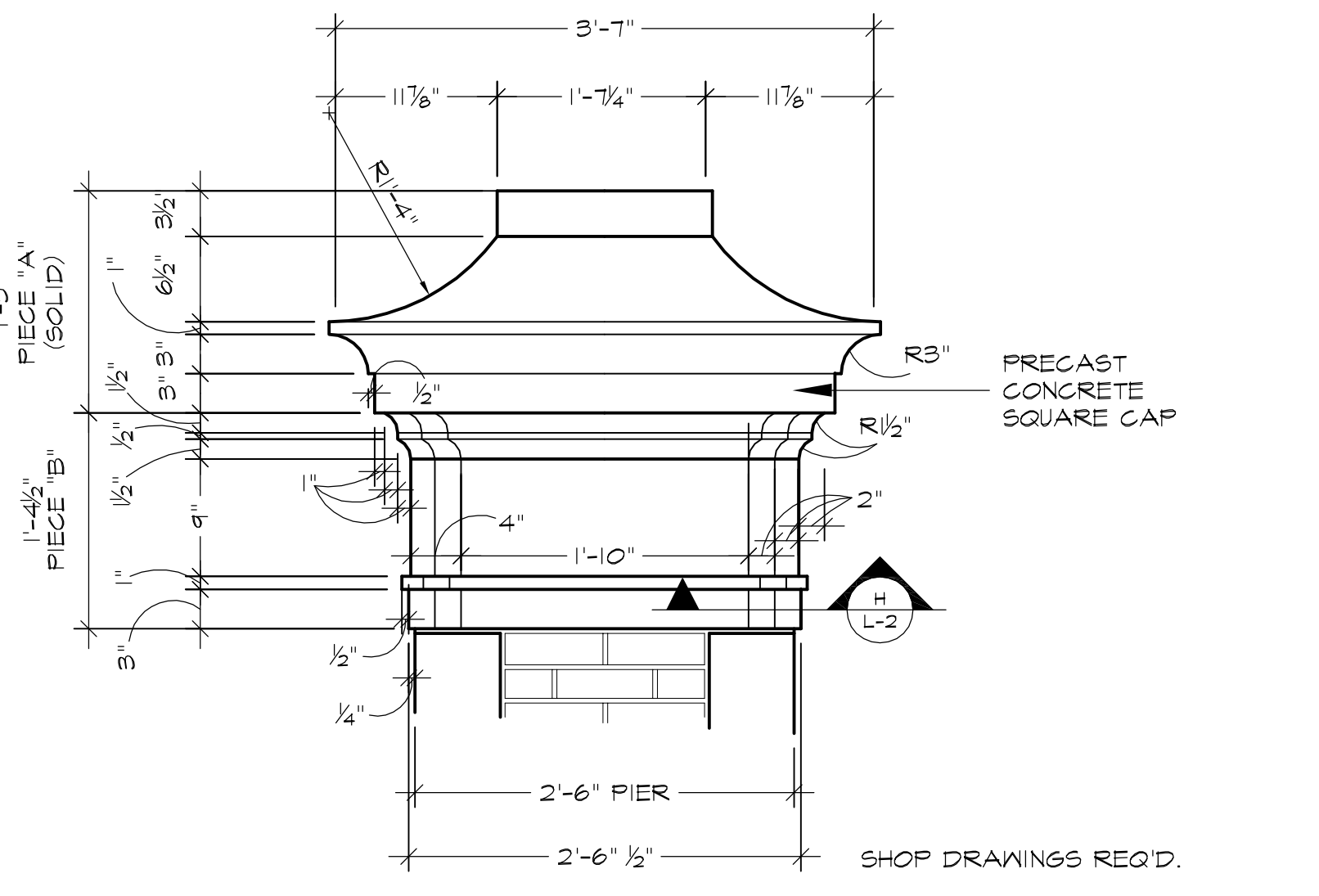
B COLUMN/POST DETAIL
L-2.0 ELEVATION SCALE 1/2"=1'



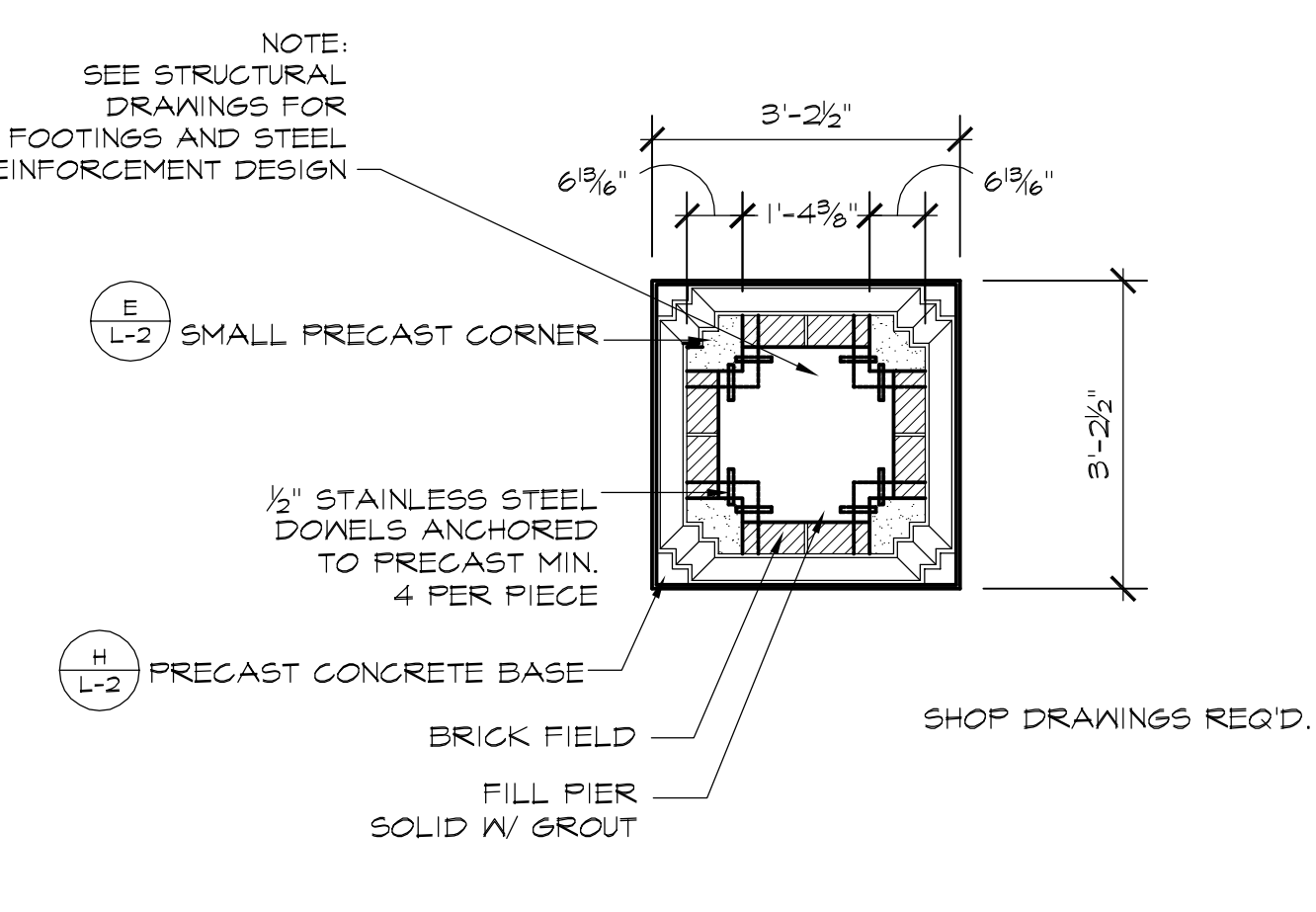
D PRECAST CONCRETE URN
L-2 SECTION SCALE 1"=1'



E PRECAST CONCRETE CORNER
L-2.0 SECTION SCALE 1"=1'

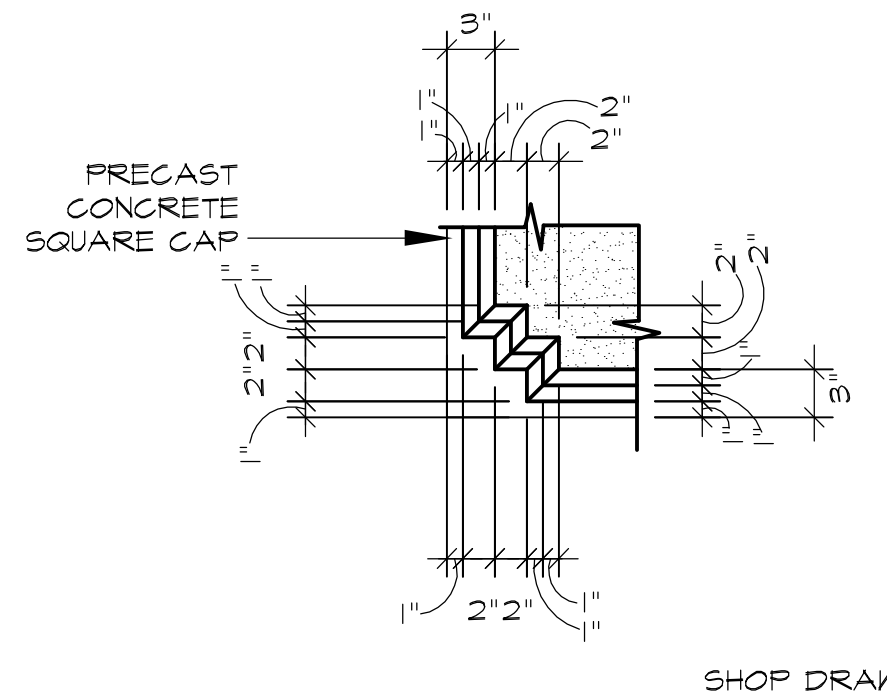


F PRECAST CONCRETE CAP
L-2.0 MAJOR COLUMN - SECTION SCALE 1"=1'

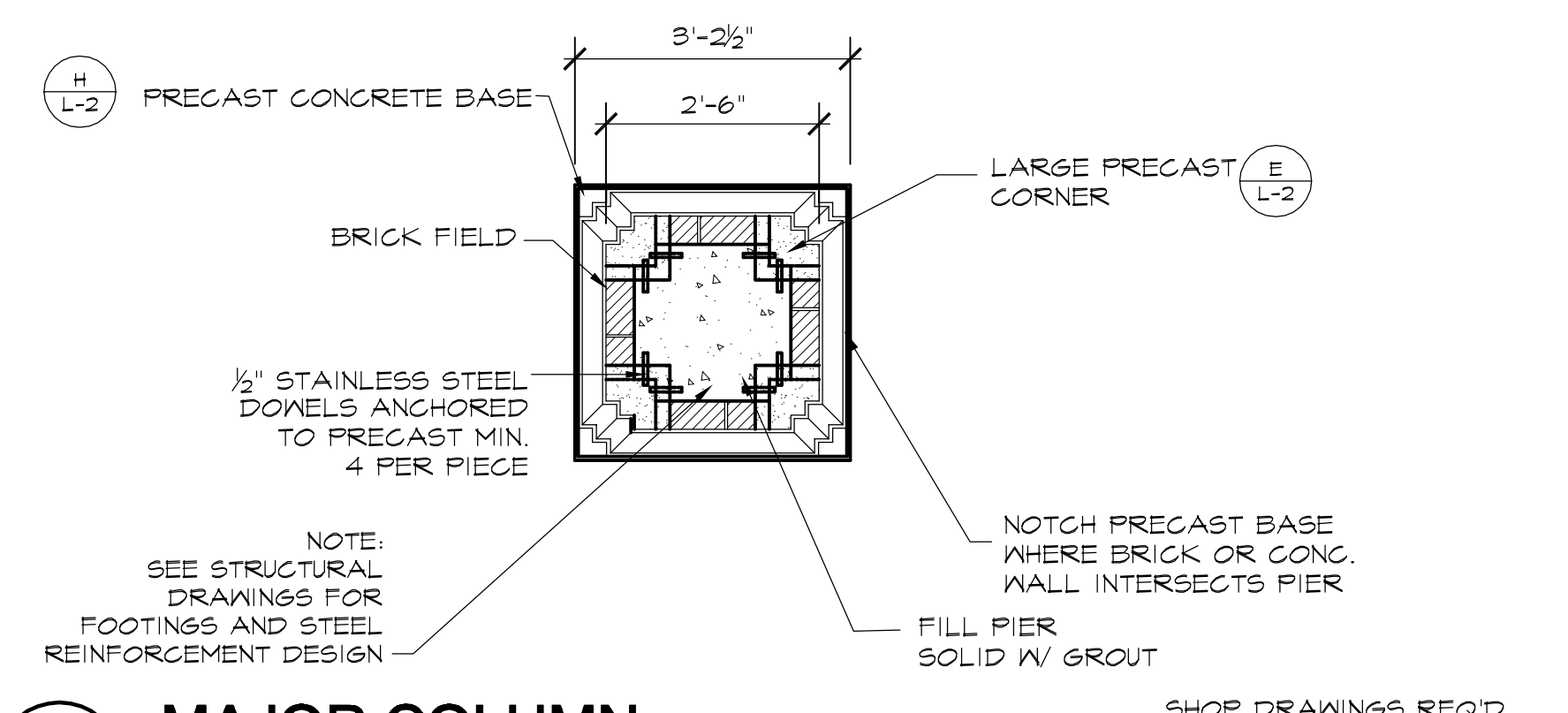


G MAJOR COLUMN
L-2.0 PLAN VIEW SECTION @ SMALL PRECAST CORNER SCALE 1/2"=1'

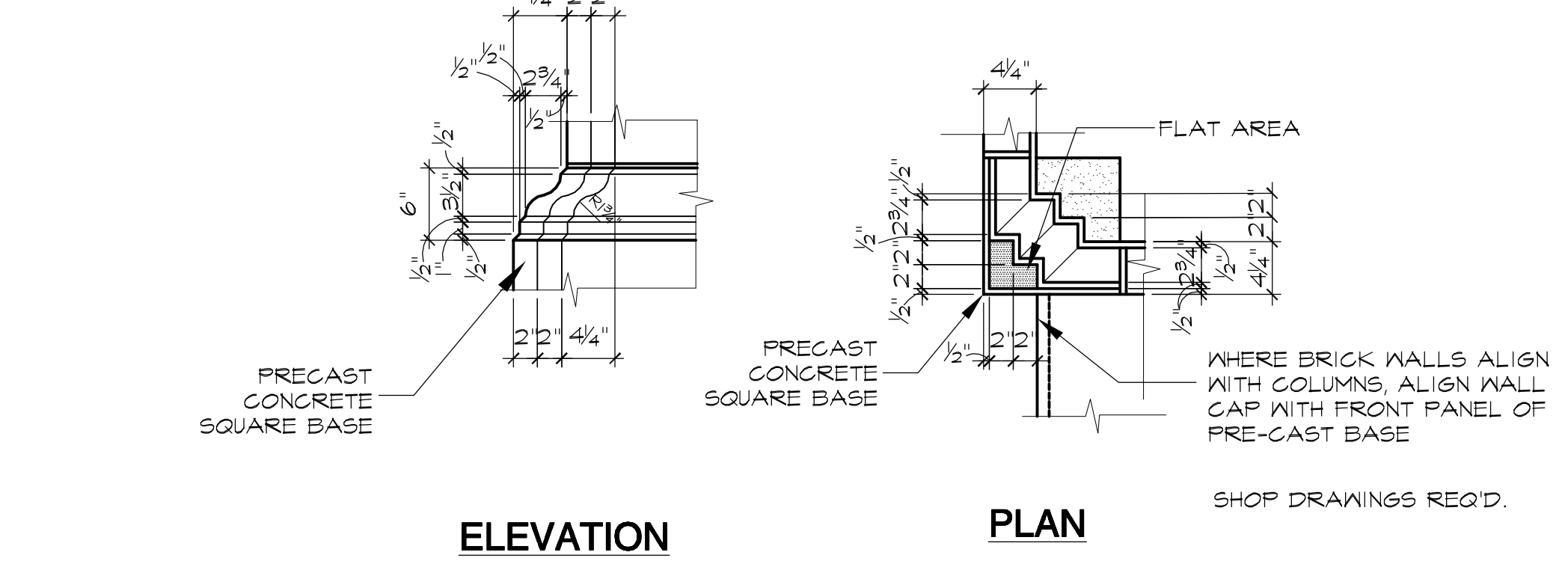
C MAJOR COLUMN DETAIL
L-2.0 SECTION SCALE 1/2"=1'



I CORNER OF PRECAST CONCRETE CAP
L-2.0 MAJOR COLUMN - PLAN SCALE 1"=1'



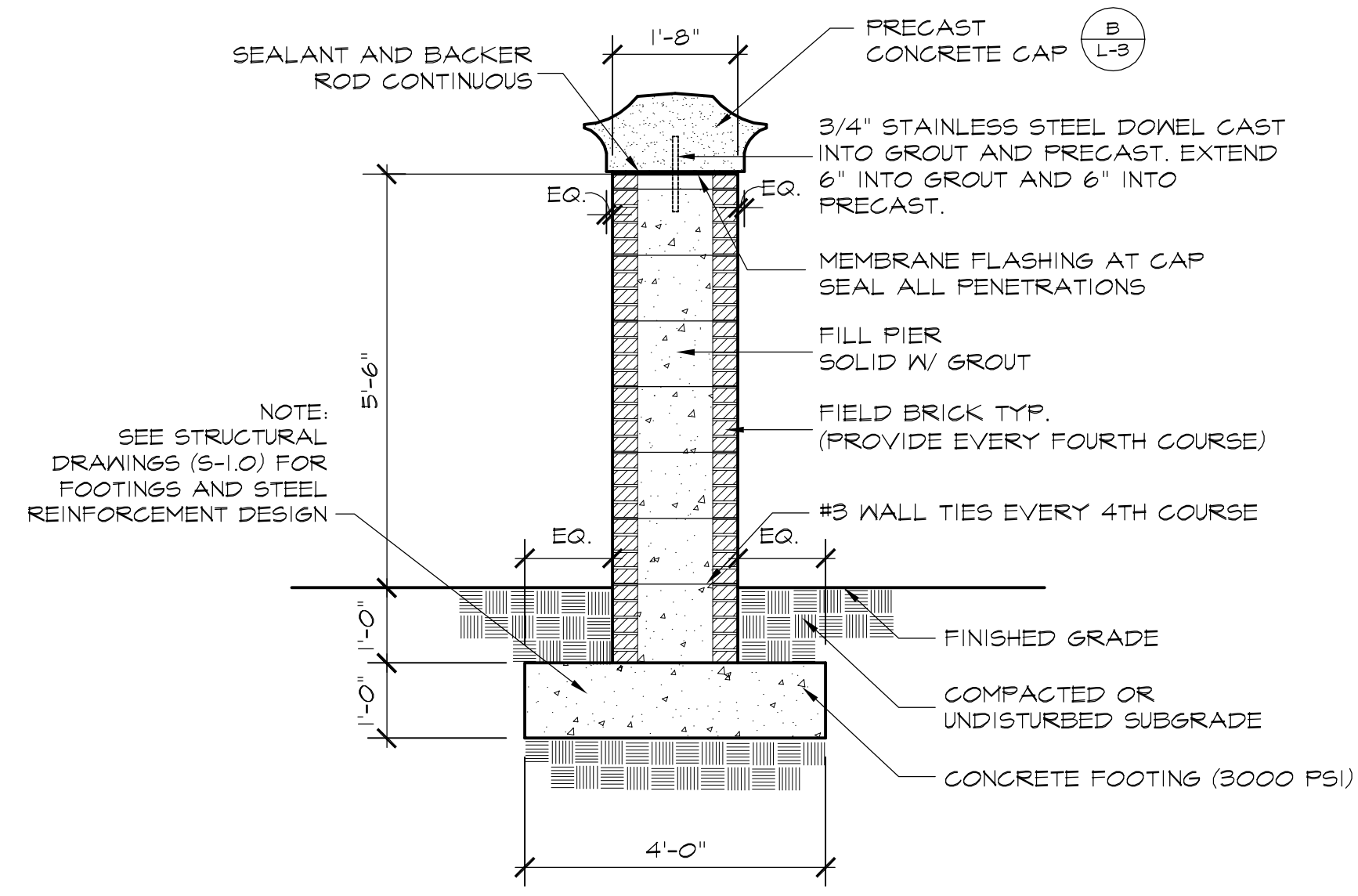
J MAJOR COLUMN
L-2.0 PLAN VIEW SECTION @ LARGE PRECAST CORNER SCALE 1/2"=1'



H PRECAST CONCRETE BASE
L-2.0 SECTION SCALE 1"=1'

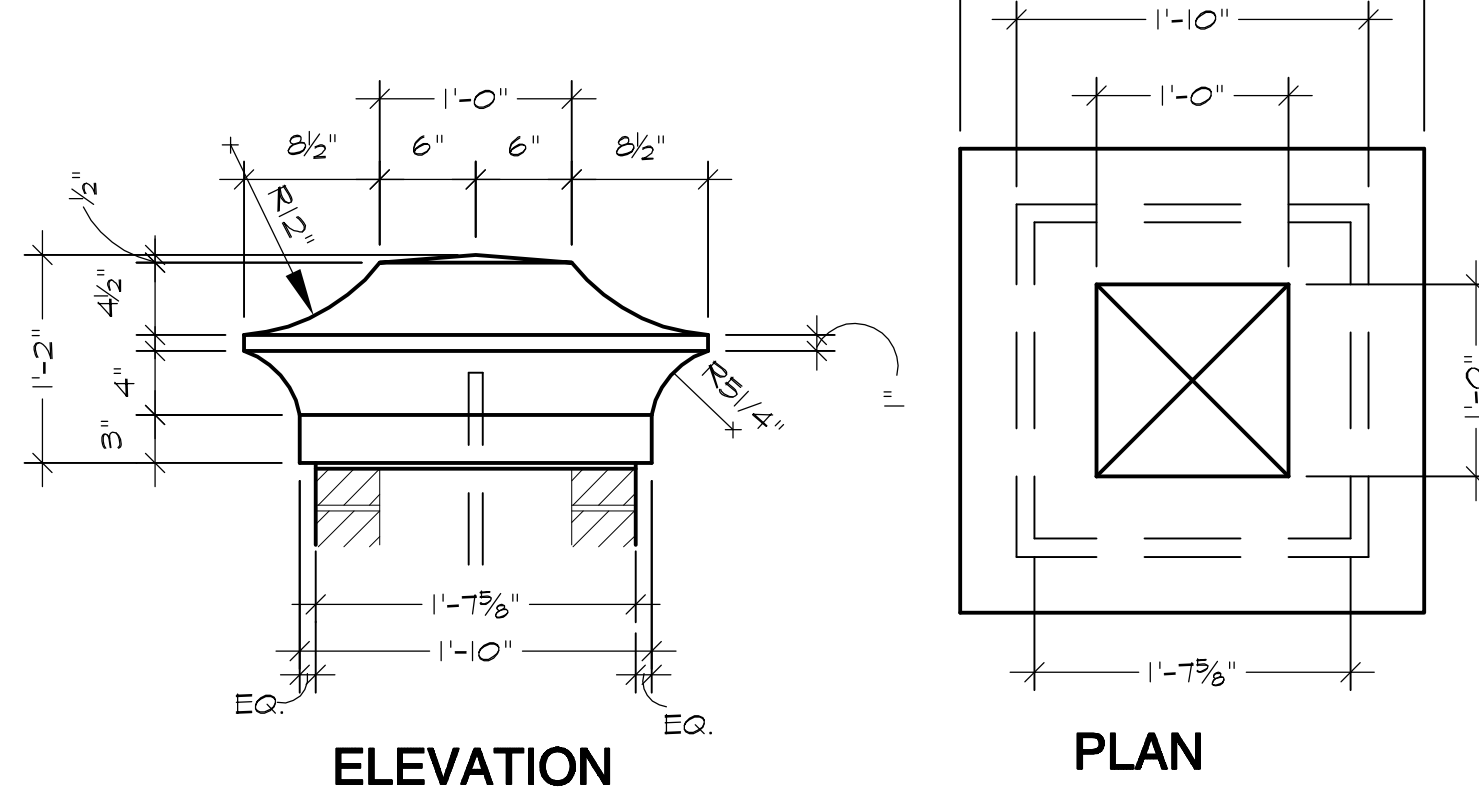
Mar 18, 2014 - 10:18am - \\Palmto\grimmco\active_projects\Maple\17-216\Projects\Bull Street Closure\Gate_Detail.dwg

NOTE:
ALL BRICK, MORTAR AND PRECAST FOR COLUMNS TO MATCH EXISTING COLUMNS AT RUSSELL HOUSE/GREENE STREET. PROVIDE SAMPLES FOR REVIEW.

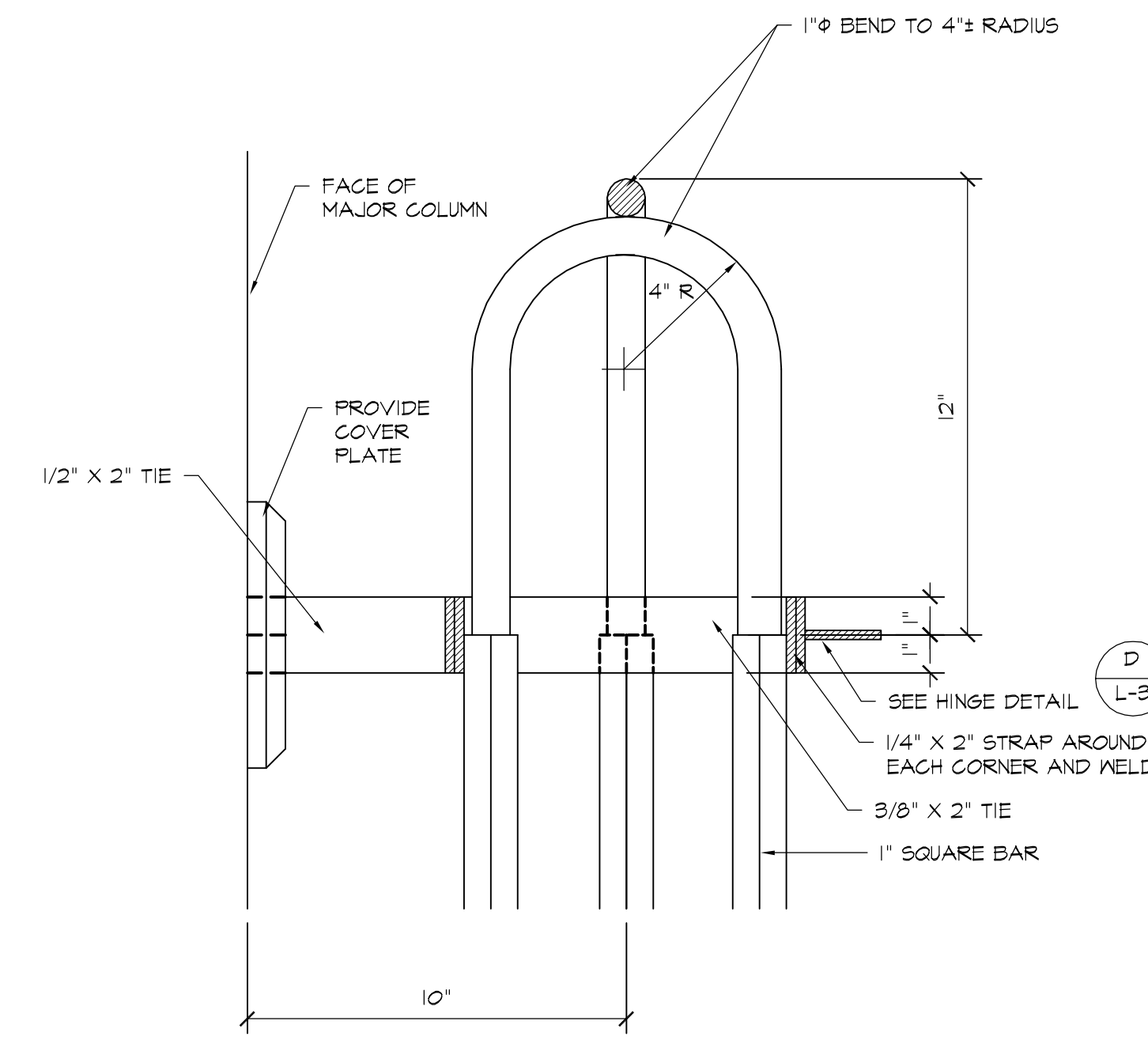


A MINOR COLUMN DETAIL
L-3.0 SECTION SCALE 1/2"=1'

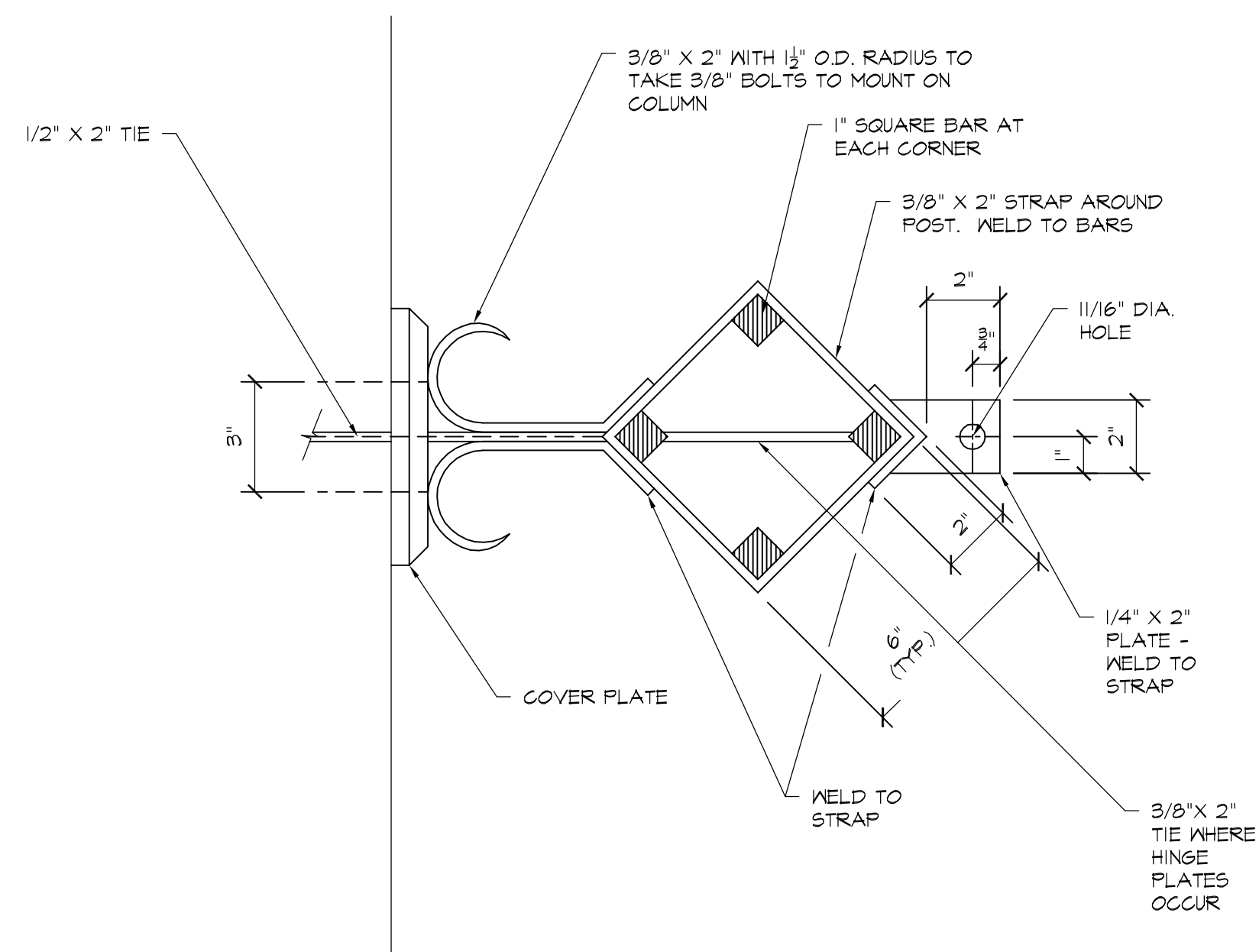
NOTE:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRECAST CONCRETE CAP TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.



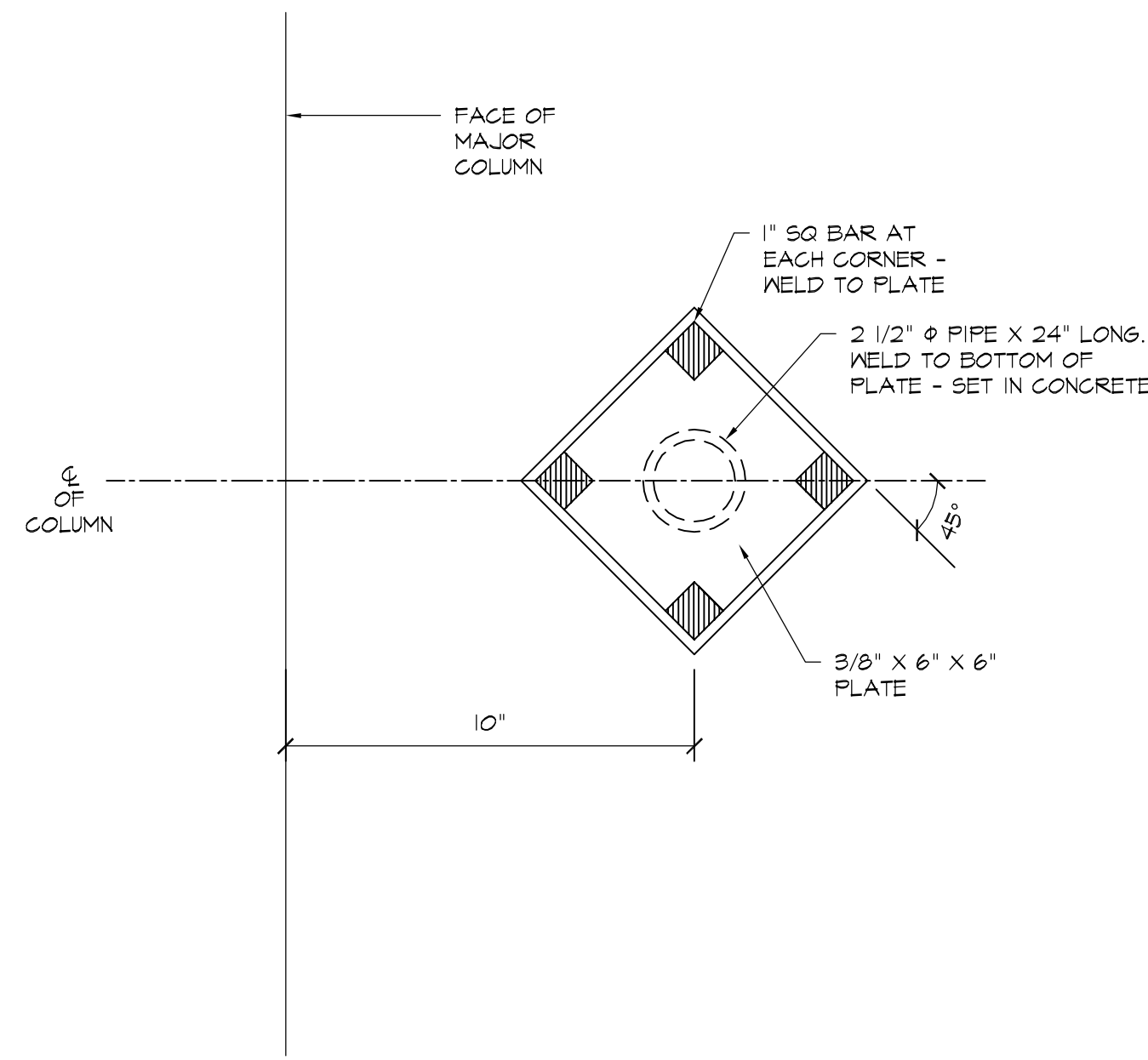
B PRECAST CONCRETE CAP
L-3.0 MINOR COLUMN SCALE 1"=1'



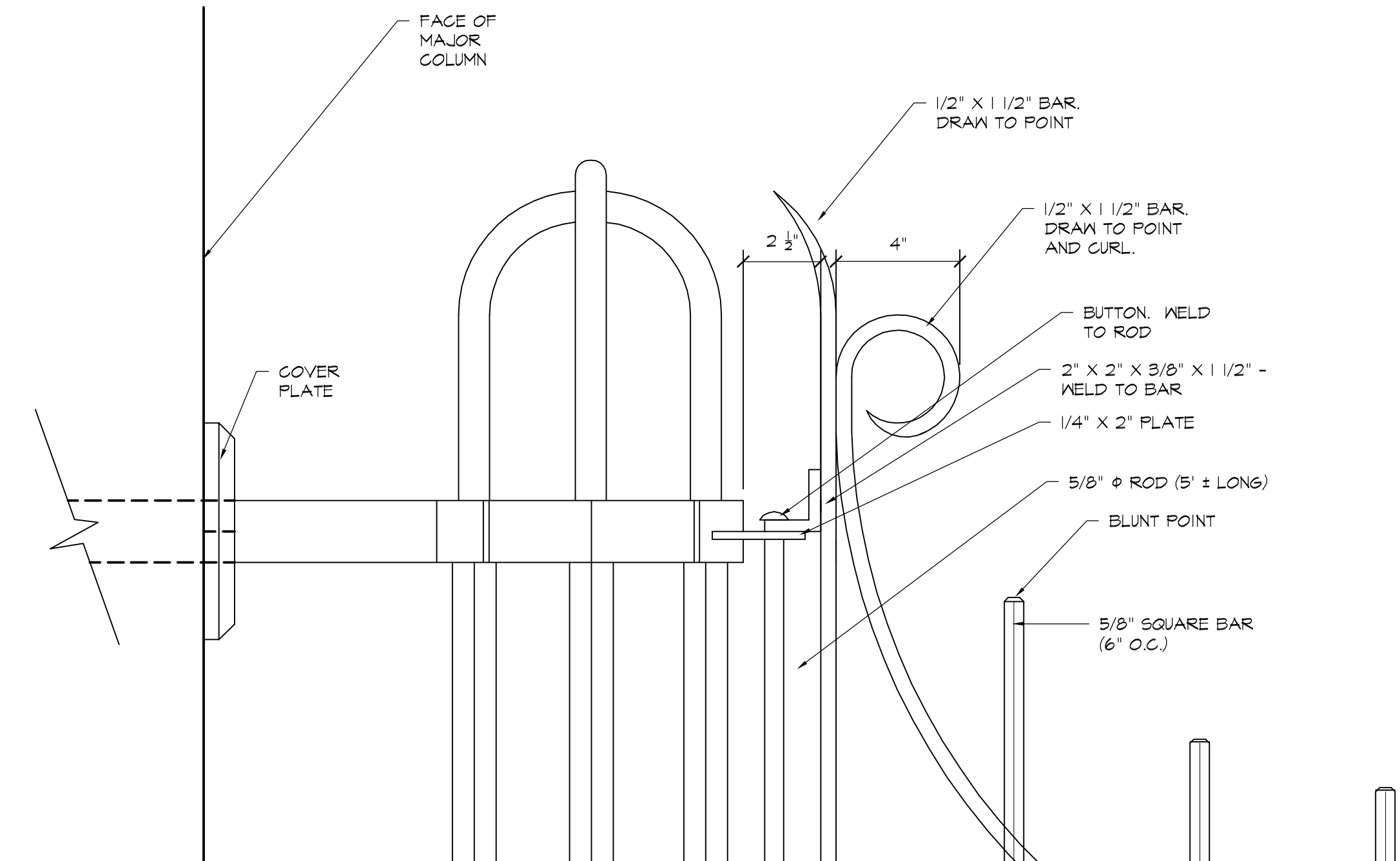
C GATE POST CAP DETAIL
L-3.0 SECTION SCALE 3"=1'



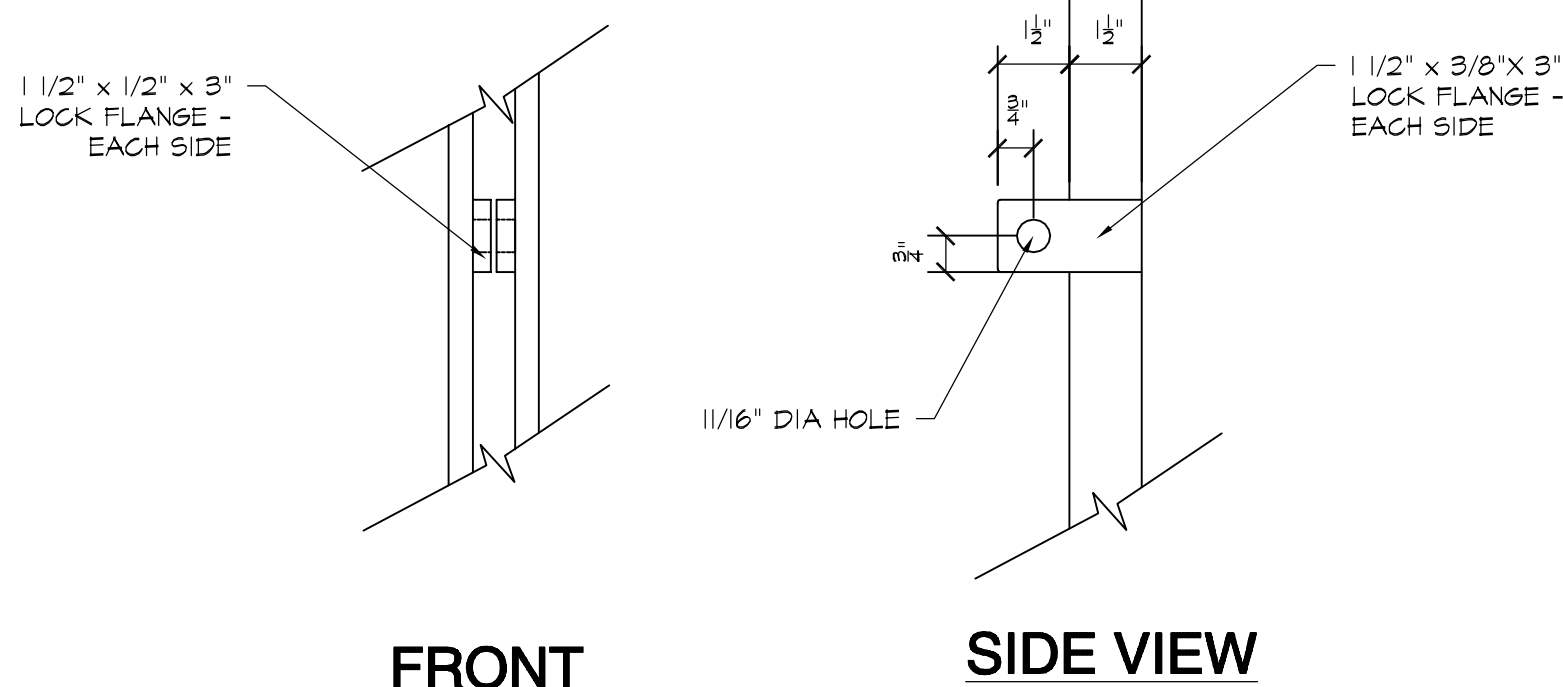
D HINGE DETAIL
L-3.0 PLAN SCALE 3"=1'



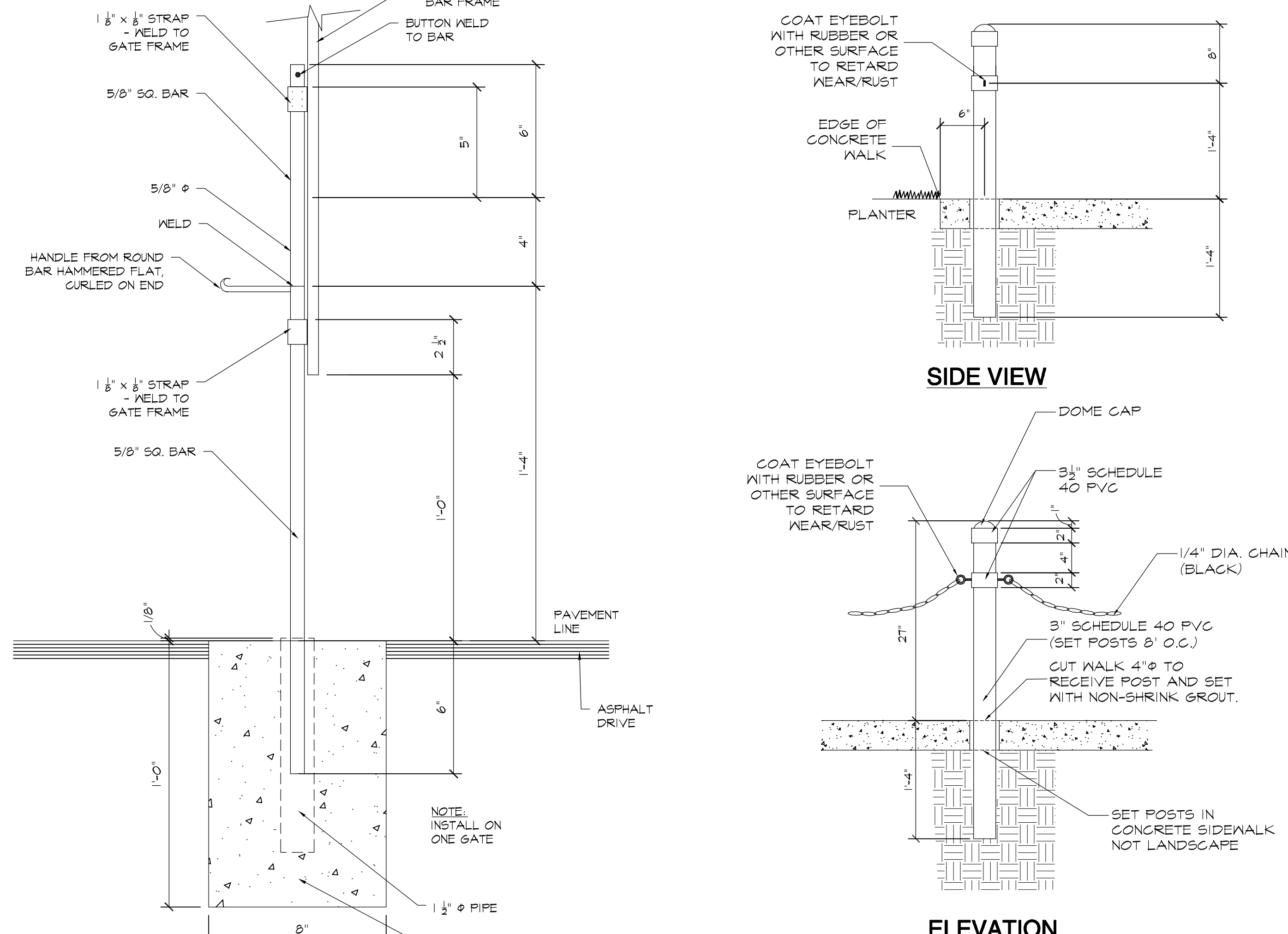
E POST BASE DETAIL
L-3.0 PLAN SCALE 3"=1'



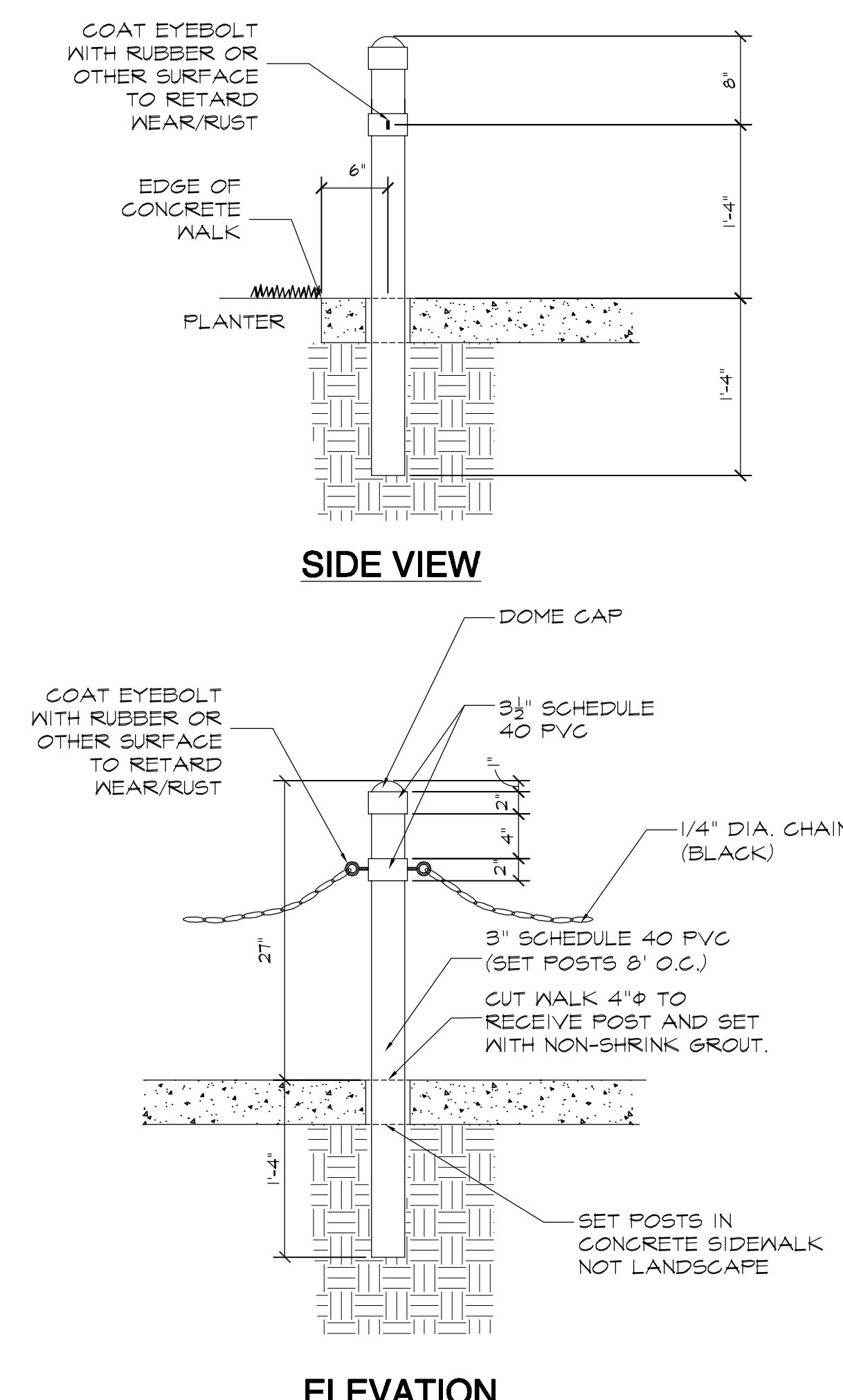
F GATE DETAIL
L-3.0 PLAN SCALE 3"=1'



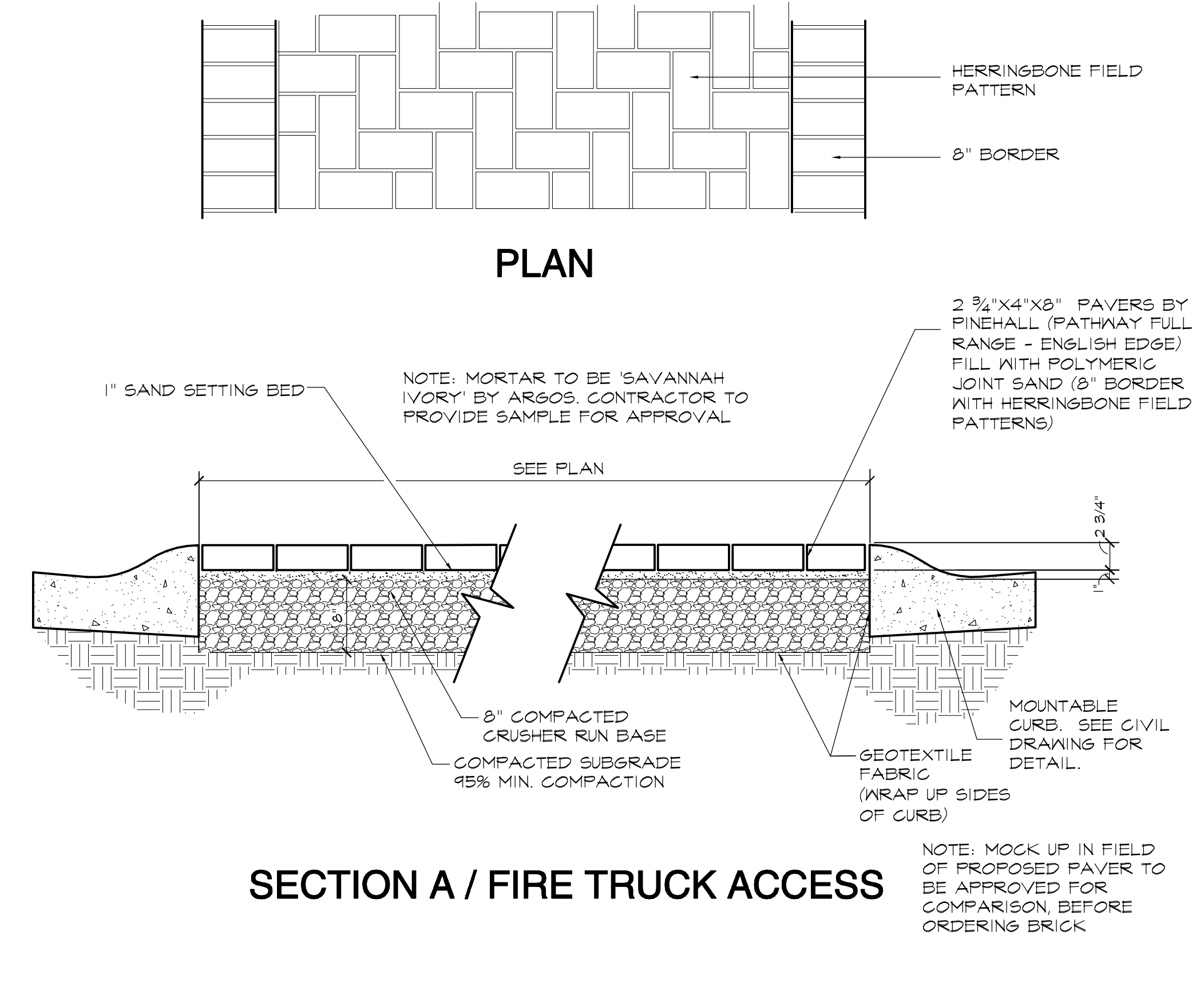
G LOCK FLANGE
L-3.0 PLAN SCALE 3"=1'



H GATE FOOT BOLT
L-3.0 SECTION - SIDE VIEW SCALE 3"=1'



I BOLLARD
L-3.0 PLAN SCALE: 1"=1'

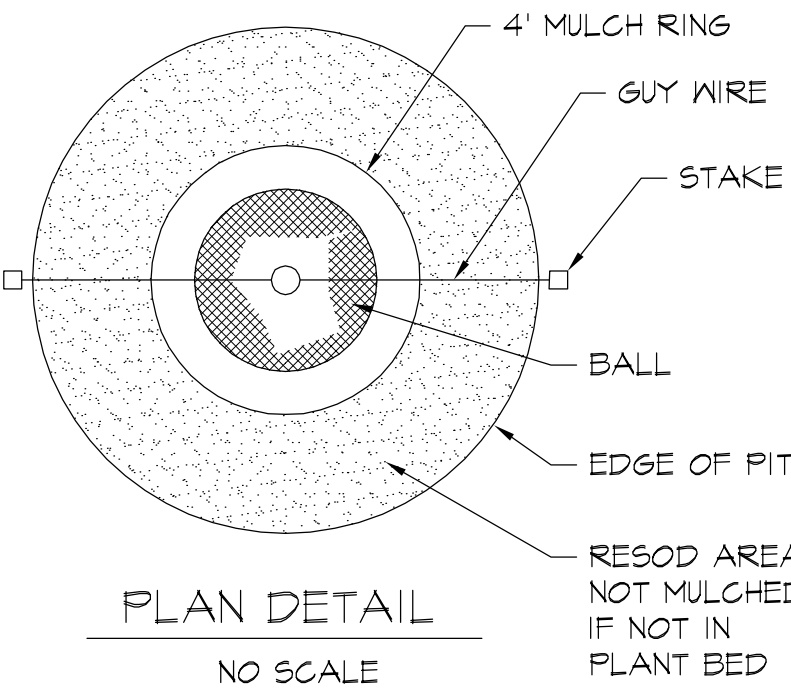


J CONCRETE PAVERS
L-3.0 SECTION SCALE 1"=1'

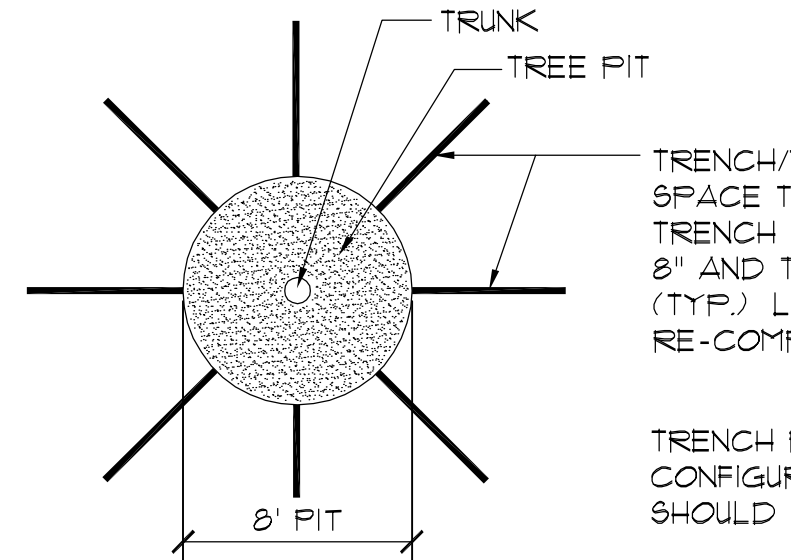
Mar 18, 2014 - 10:18am - \\Palmto\gimball\active Projects on Maple\17-216\Projects\Bull Street Closure\Gate Detail.dwg

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME	MINIMUM				COMMENTS	QTY.	
			GALIPER	SPREAD	HEIGHT	BALL DIA. NO. GAVES			
QUER C	QUERCUS COCCIGENA	SCARLET OAK	3"	6"	12'-14'	32"	1	MATCHING, SPECIMEN	12
BUXU J	BUXUS MICROPHYLLA JAPONICUM	JAPANESE BOXWOOD		30"	30"	1 GAL.	3-5	PLANT AS SHOWN	17
PITT	PITTOSPORUM TOBIRA 'WHEELER'S DWARF'	DWARF PITTOSPORUM		15"	12"	3 GAL.	3-5	PLANT 3' O.C.	25
LIRI	LIRIOPE MUSCARI 'BIG BLUE'	'BIG BLUE' LIRIOPE					PINT	PLANT 12" O.C.	600
SOD	CYNODON DACTYLON	BERMUDA GRASS - TIFFANY 419						WELL ROOTED	3,221 SF

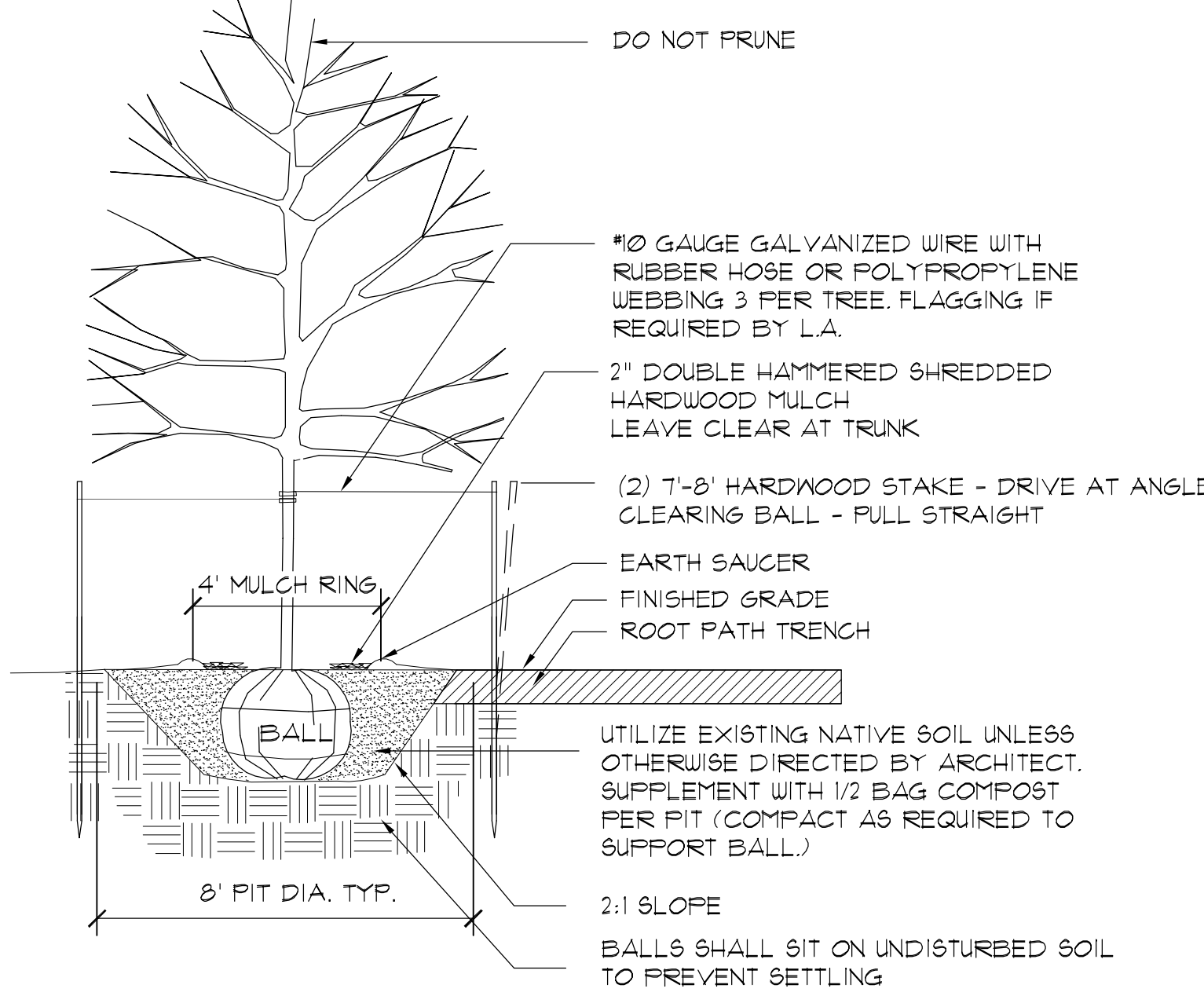


- NOTES:**
1. TEST FOR PERCOLATION PRIOR TO PLANTING.
 2. WATER AFTER PLANTING.
 3. DO NOT WRAP TREES
 4. REMOVE BURLAP/STRAPPING AND WIRE FROM TOP 1/3 OF ROOT BALL.
 5. DIG TREE PIT WITH BACKHOE OR SIMILAR EQUIPMENT.
 6. NO TREE IS TO BE PLANTED LOWER THAN THE ELEVATION THAT THE TREE WAS GROWN AT IN THE NURSERY. REMOVE BUILT UP SOIL AS NECESSARY.



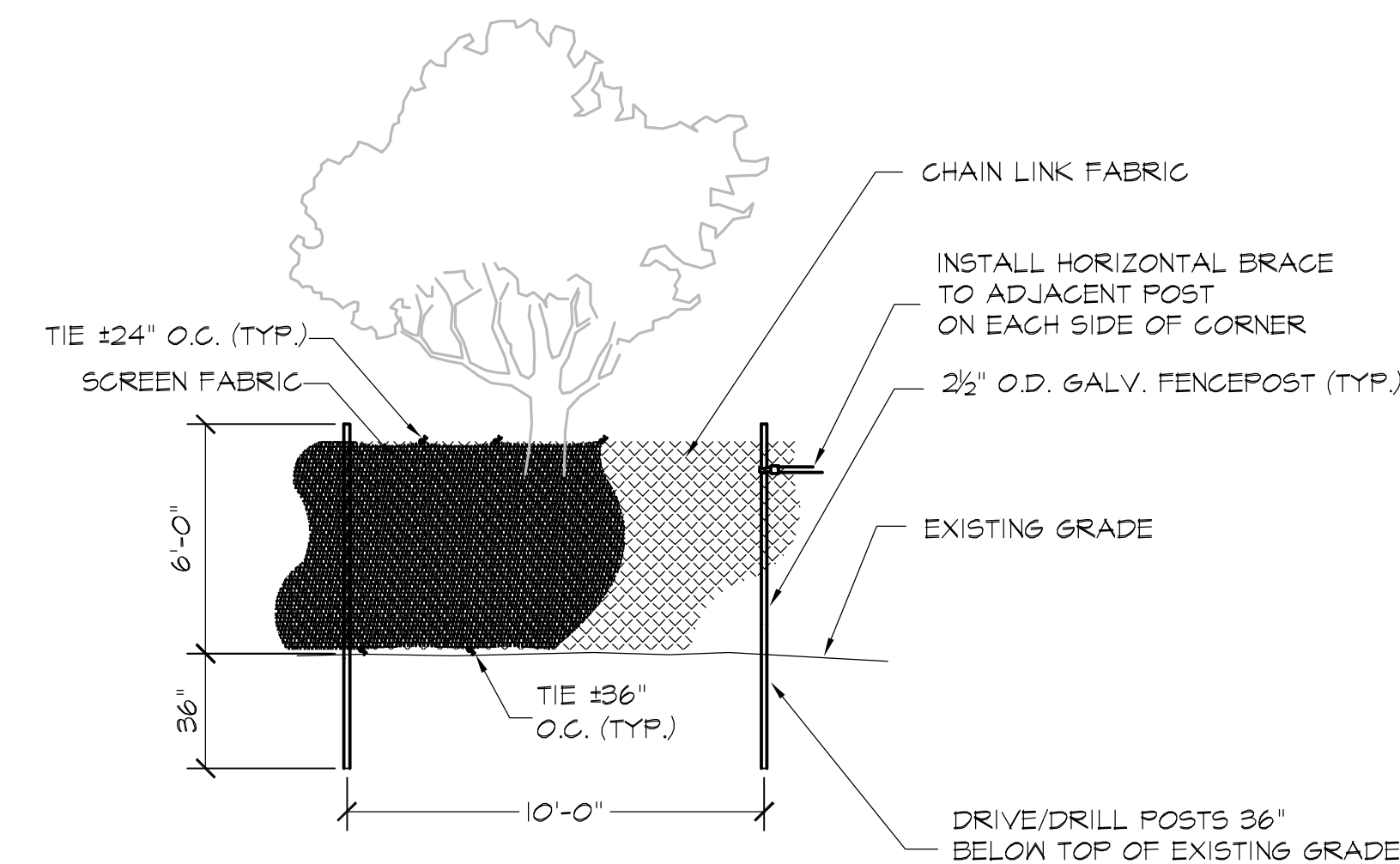
TRENCH/TILL SOIL OUTWARD FROM TREE PIT SPACE TRENCH PATHS AT 36" O.C. TRENCH OR TILL TO A DEPTH AND WIDTH OF 8" AND TO A DISTANCE OF 6' FROM TRUNK (TYP.) LOOSEN SOIL AND BACKFILL, AVOID RE-COMPACTING AREA.

TRENCH PATHS MAY VARY WITH CONFIGURATION OF PLANTING AREA BUT SHOULD PROVIDE 36" O.C. SPACING

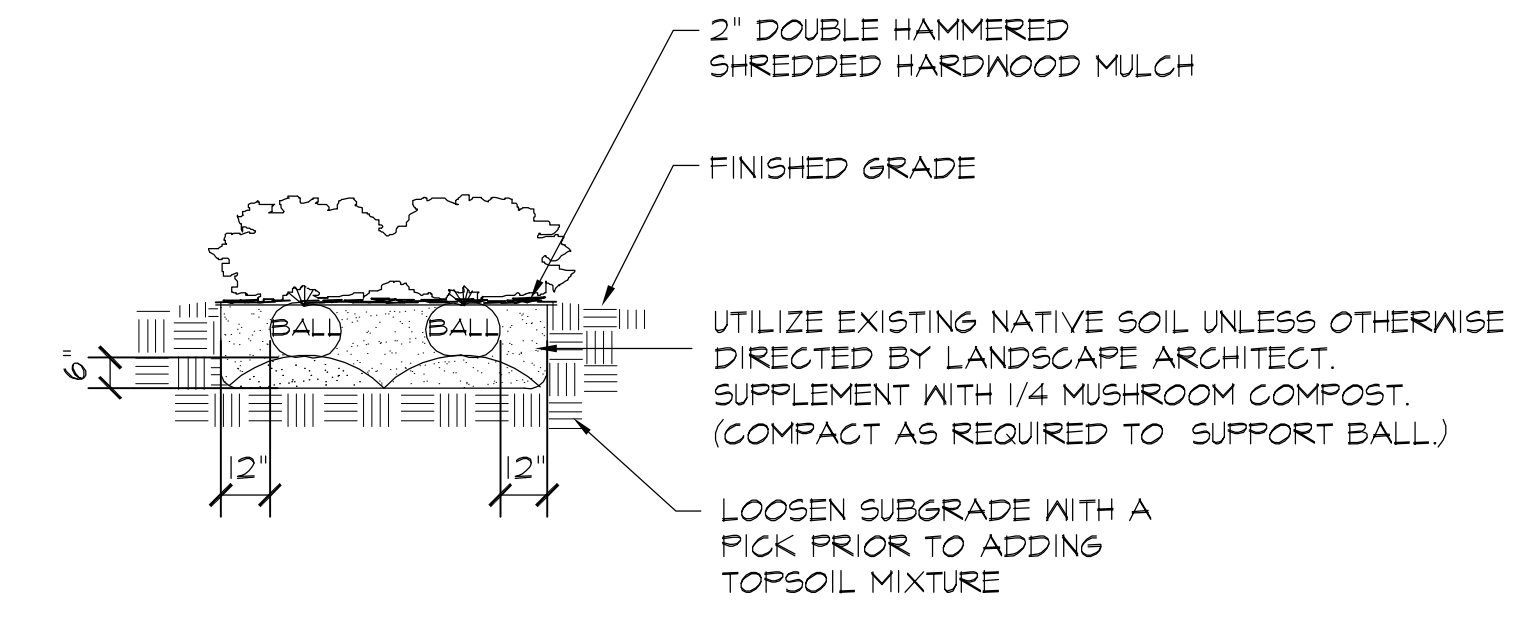


E
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TREE PROTECTION FENCING
NOT TO SCALE



- NOTES:**
1. SEE LANDSCAPE PLANS FOR LOCATION OF TREE PROTECTION FENCING.
 2. SEE USG SUPPLEMENTAL GENERAL CONDITIONS FOR CONSTRUCTION PROJECTS FOR ADDITIONAL INFORMATION.
 3. PROVIDE PROTECTION FENCE FOR ALL TREES TO REMAIN.
 4. PROTECTION FENCING TO BE PLACED OUTSIDE OF DRIPLINE OF TREE CANOPY UNLESS OTHERWISE INDICATED ON LANDSCAPE PLAN OR APPROVED BY USG PROJECT MANAGER.
 5. A 4" LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER TREE PROTECTION AREA.
 6. PROTECTION FENCING SHALL BE IN PLACE AND HARDWOOD MULCH PLACED PRIOR TO BEGINNING CONSTRUCTION.
 7. REQUESTS FOR PAYMENT SHALL NOT BE APPROVED UNTIL PROTECTION FENCING AND MULCH IS IN PLACE.
 8. LOCATION OF THE PROTECTION FENCING SHALL BE MARKED BY USG ARBORIST AND APPROVED BY USG PROJECT MANAGER BEFORE INSTALLATION. WHERE CONSTRUCTION IS LIKELY TO OCCUR WITHIN 5' OF PROPOSED LOCATION OF PROTECTION FENCING, CONTRACTOR SHALL HAVE LIMITS OF CONSTRUCTION MARKED BY SURVEY BEFORE PROTECTION FENCING IS INSTALLED.
 9. SCREEN FABRIC SHALL BE DARK GREEN 85% OPAQUE, POLYETHYLENE KNOT MESH, UV STABILIZED WITH BURST STRENGTH OF AT LEAST 210 P.S.I.



- NOTES:**
1. TEST FOR PERCOLATION PRIOR TO PLANTING.
 2. REMOVE PAPER, PLASTIC OR METAL CONTAINER THAT MAY BE AROUND ROOTS
 3. WATER AFTER PLANTING
 4. DO BED PREPARATION ON ALL SHRUB & GROUNDCOVER AREAS

B
L-5.0

SHRUB PLANTING
NOT TO SCALE

A
L-5.0 SECTION

NOT TO SCALE

TREE PLANTING AND STAKING

SECTION

L-5.0

INSTRUCTIONS FOR PERFORMING A PERCOLATION TEST

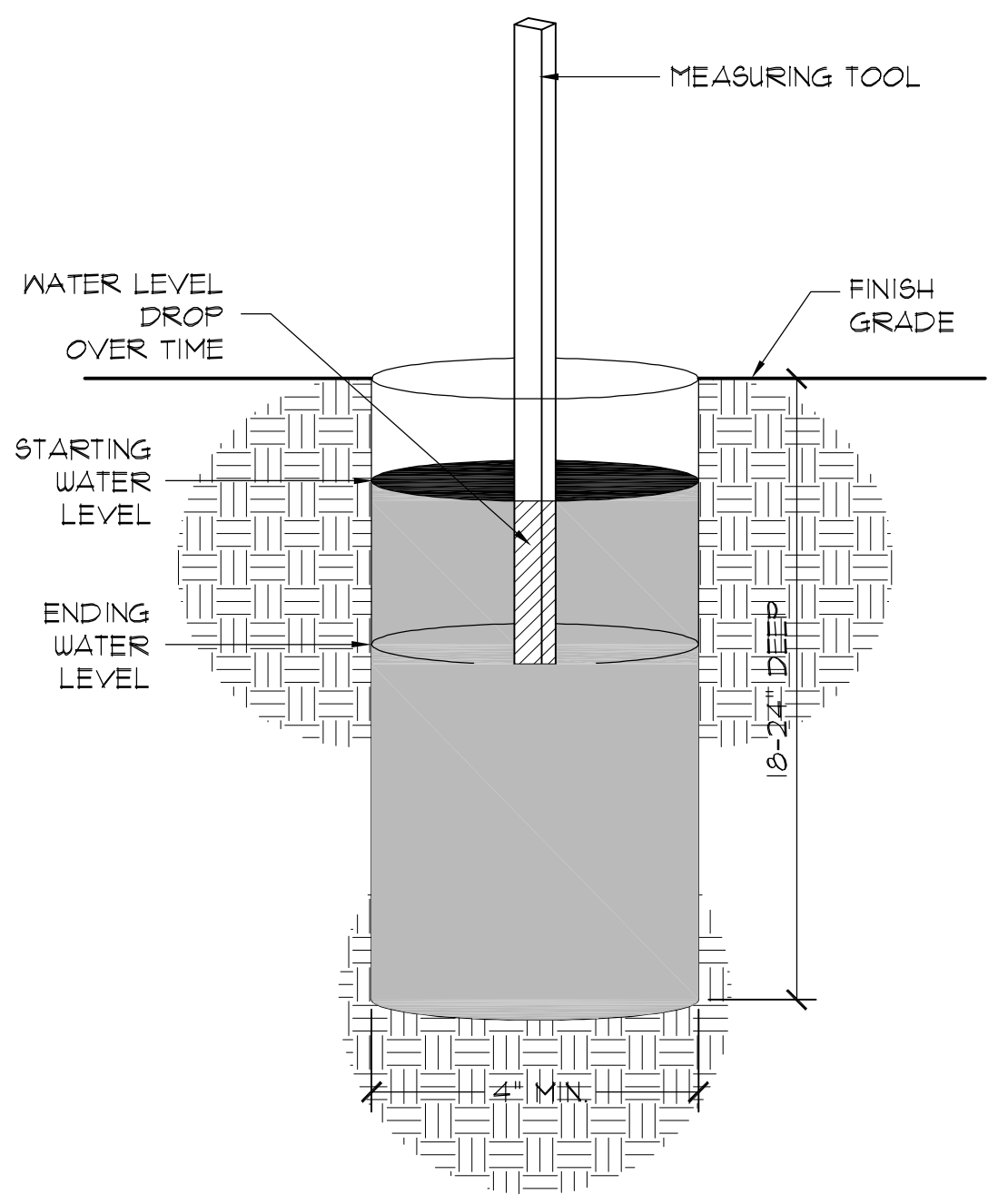
1. WITH A SHOVEL OR POSTHOLE DIGGER, DIG HOLE 18" TO 24" DEEP. HOLE DIAMETER SHOULD BE A MINIMUM OF 4 INCHES. THE DIAMETER OF THE HOLE SHOULD BE UNIFORM FROM TOP TO BOTTOM WITH THE BOTTOM BEING FLAT.
2. FILL HOLE WITH WATER TO THE TOP AND LET STAND FOR AT LEAST AN HOUR TO PRE-MET THE SOIL.
3. REFILL HOLE TO WITHIN A COUPLE INCHES OF THE TOP. DON'T OVERFLOW THE HOLE.
4. TO AID IN MEASUREMENT, PLACE A STICK ACROSS THE TOP OF THE HOLE AND USE A RULER OR MEASURING TAPE TO MARK PERIODIC DROPS IN WATER LEVEL.
5. ALLOW THE HOLE TO DRAIN FOR AT LEAST ONE HOUR. A LONGER PERIOD OF TIME (2 TO 3 HOURS) WILL GIVE A MORE ACCURATE READING OF AVERAGE PERCOLATION RATES.
6. DETERMINE AVERAGE DROP IN WATER LEVEL PER HOUR AND REFER TO THE TABLE BELOW TO INTERPRET RESULTS.

HOW TO INTERPRET RESULTS	
IF WATER LEVEL IN HOLE DROPS...	SITE IS...
LESS THAN ONE-HALF INCH PER HOUR	POORLY DRAINED AND SUITED TO NET-SITE SPECIES
ONE HALF-INCH TO ONE INCH PER HOUR	MODERATELY WELL DRAINED AND ACCEPTABLE FOR MANY SPECIES INCLUDING NET-SITE SPECIES
MORE THAN ONE INCH PER HOUR	WELL DRAINED AND SUITABLE FOR ALL SPECIES INCLUDING SENSITIVE SPECIES

D
L-5.0 ISOMETRIC

NOT TO SCALE

PERCOLATION TEST HOLE



PLANTING NOTES

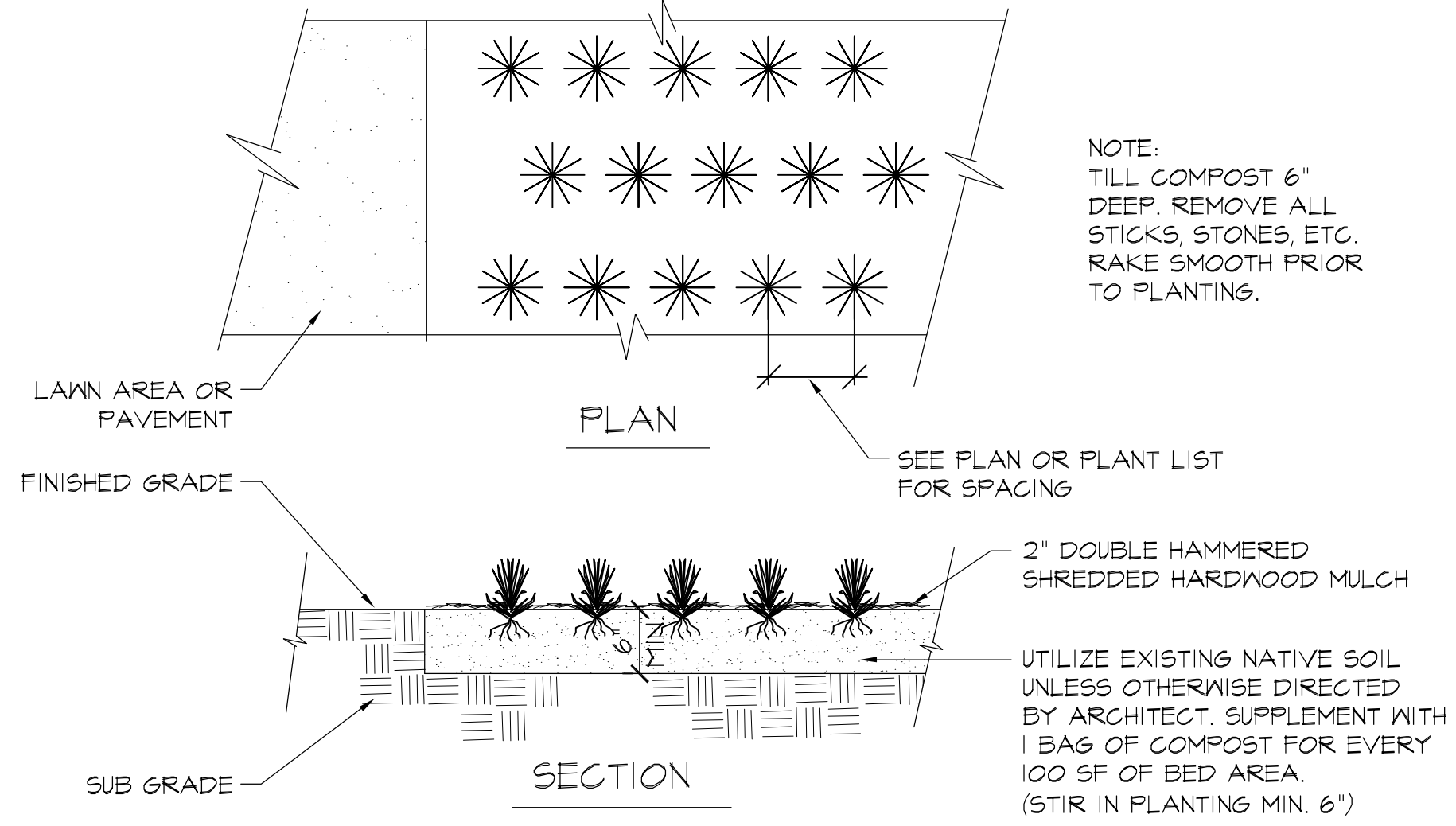
1. PLANTS LABELED NIC ARE NOT IN CONTRACT AND ARE NOT A PART OF THIS PHASE OF WORK.
2. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCKS. SEE THE PLANT LIST FOR MORE RESTRICTIVE REQUIREMENTS.
3. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
4. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS' VERTICAL GROWTH (TOP CANDLE).
5. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
7. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL DO PERCOLATION TEST AS DETAILED ON DETAIL H/L-102. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTS. IF THE SOIL AT GIVEN AREA DOES NOT DRAIN PROPERLY, A PVC DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTINGS RELOCATED.
8. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT WELLS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
9. PLANTING PITS FOR TREE AND SHRUBS SHALL BE PREPARED AS PER DETAILS.
10. DOUBLE HAMMERED SHREDDED HARDWOOD MULCH SHALL BE APPLIED TO ALL SHRUB BEDS BY THE CONTRACTOR. BEDS SHALL BE TREATED WITH FREEMERGENT HERBICIDE BY THE CONTRACTOR BEFORE MULCH IS APPLIED. SHREDDED HARDWOOD MULCH SHALL BE TWO INCHES DEEP. A SAMPLE OF SHREDDED HARDWOOD MULCH SHALL BE PRESENTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
11. ALL TREES ARE TO BE STAKED IMMEDIATELY AFTER PLANTING AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF STAKING HOSES, ETC. AT THE END OF THE ONE YEAR GUARANTEE PERIOD.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
13. PLANTS SHALL BE GUARANTEED FOR THE DURATION OF ONE (1) FULL YEAR AFTER THE FINAL ACCEPTANCE OF THE PLANTING BY THE OWNER AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ANY PLANT NOT IN A HEALTHY AND VIGOROUS STATE AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO COST TO THE OWNER. PLANTS SEVERELY DAMAGED BY VANDALS ARE NOT SUBJECT TO REPLACEMENT BY THE CONTRACTOR DURING THE ONE YEAR GUARANTEE PERIOD.
14. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE, AND SHALL BE SUBJECT TO A ONE (1) YEAR GUARANTEE FROM THE DATE OF SATISFACTORY REPLACEMENT.
15. SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORD WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.
16. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OR UNATTENDED OVERNIGHT.
17. PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL QUANTITIES. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.

GENERAL NOTES

1. EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT THE SITE. STAKE-OUT BY THE CONTRACTOR AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT IS ABSOLUTELY NECESSARY.
2. LOCATIONS OF THOSE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS, AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE FAILURE TO DO SO. CONTACT PALMETTO UTILITY PROTECTION SERVICE AT 1-888-121-7877 AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION.
3. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF PROPOSED DESIGN IS IN CONFLICT WITH EXISTING OR PROPOSED UTILITIES. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
4. BASE PLAN DATA DERIVED FROM SITE SURVEY. PROVIDED BY RB TODD DATED OCTOBER 11, 2013.

C
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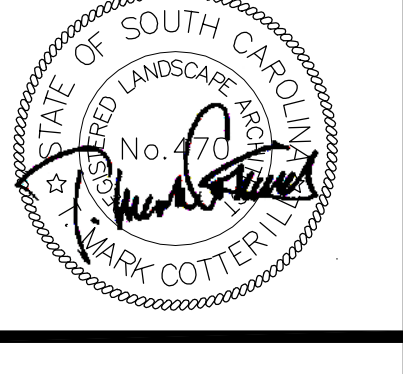
TYPICAL GROUNDCOVER PLANTING
NOT TO SCALE



NOTE: TILL COMPOST 6" DEEP. REMOVE ALL STICKS, STONES, ETC. RAKE SMOOTH PRIOR TO PLANTING.

UTILIZE EXISTING NATIVE SOIL UNLESS OTHERWISE DIRECTED BY ARCHITECT. SUPPLEMENT WITH 1 BAG OF COMPOST FOR EVERY 100 SF OF BED AREA. (STR. IN PLANTING MIN. 6")

L-5.0

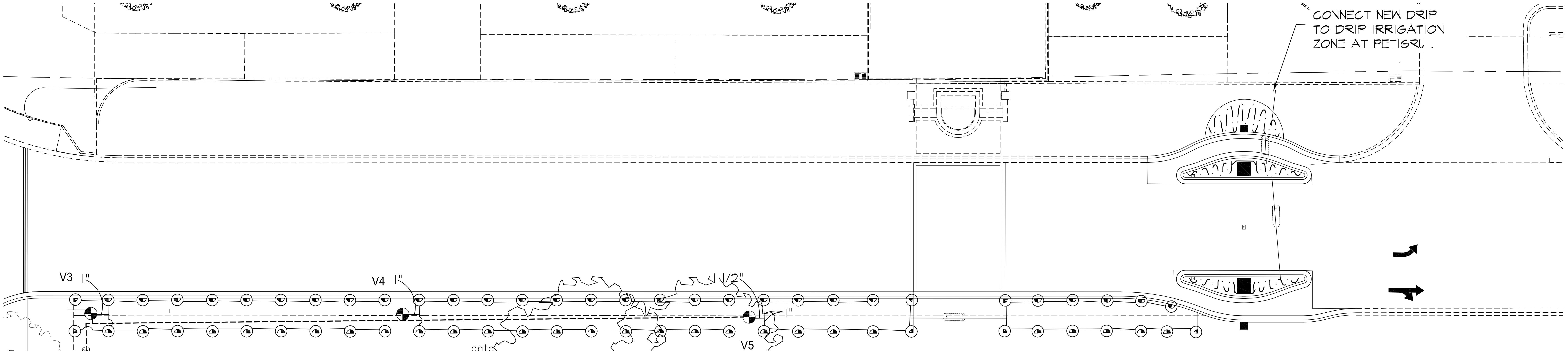


UNIVERSITY OF SOUTH CAROLINA
BULL STREET TURN AROUND
RICHLAND COUNTY, SOUTH CAROLINA

PLANTING DETAILS

DRAWN BY: ZAVIA TULLO
CHECKED BY: BULL-ST-BASE
DATE: 24 FEB 2014

DRAWING NO. L-5.0



B GREENE ST. IRRIGATION
I-1.0 PLAN

SCALE 1"=10'-0"

IRRIGATION LEGEND

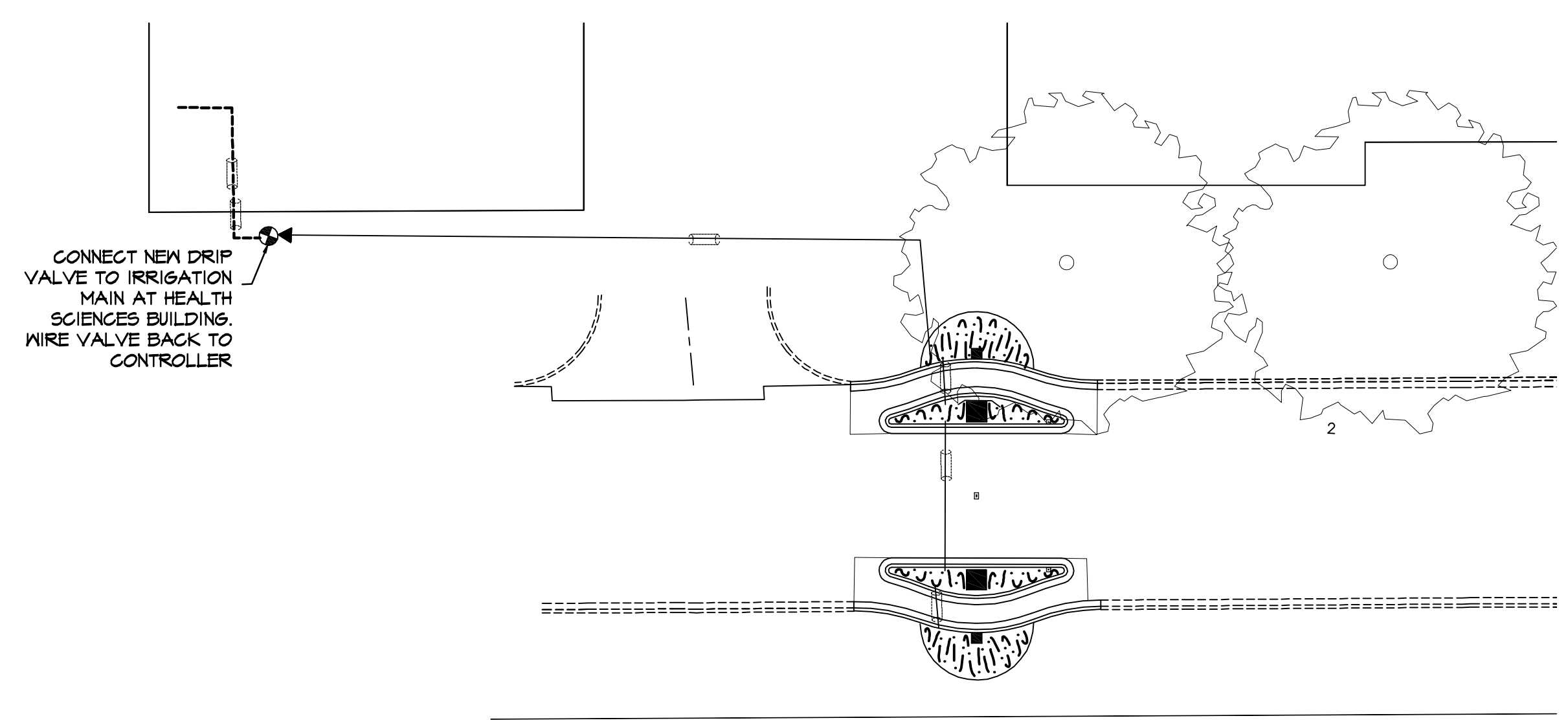
- RAINBIRD ESP MODULAR CONTROLLER
- RAINBIRD PSA-100 SERIES ELECTRIC VALVE
- ▲ XCZ-100-B-COM
- 1 1/2" MAINLINE
- RAINBIRD 1804 SERIES POP-UP SPRINKLER
- 8Q ○ 12H
- 8H ○ 15Q
- 12Q ○ 15H
- CLASS 160 OR 200 PVC PIPING
SIZE AS NOTED
- ~ RAINBIRD DRIP TUBING WITH RAIN-BUS EMITTERS
- 4" SCH. 40 PVC SLEEVING

VALVE SCHEDULE

VALVE	SIZE	TYPE	GPM
V1	1"	1804	18.38
V2	1"	DRIP	15±
V3	1"	1804	15.74
V4	1"	1804	15.01
V5	1"	1804	14.28

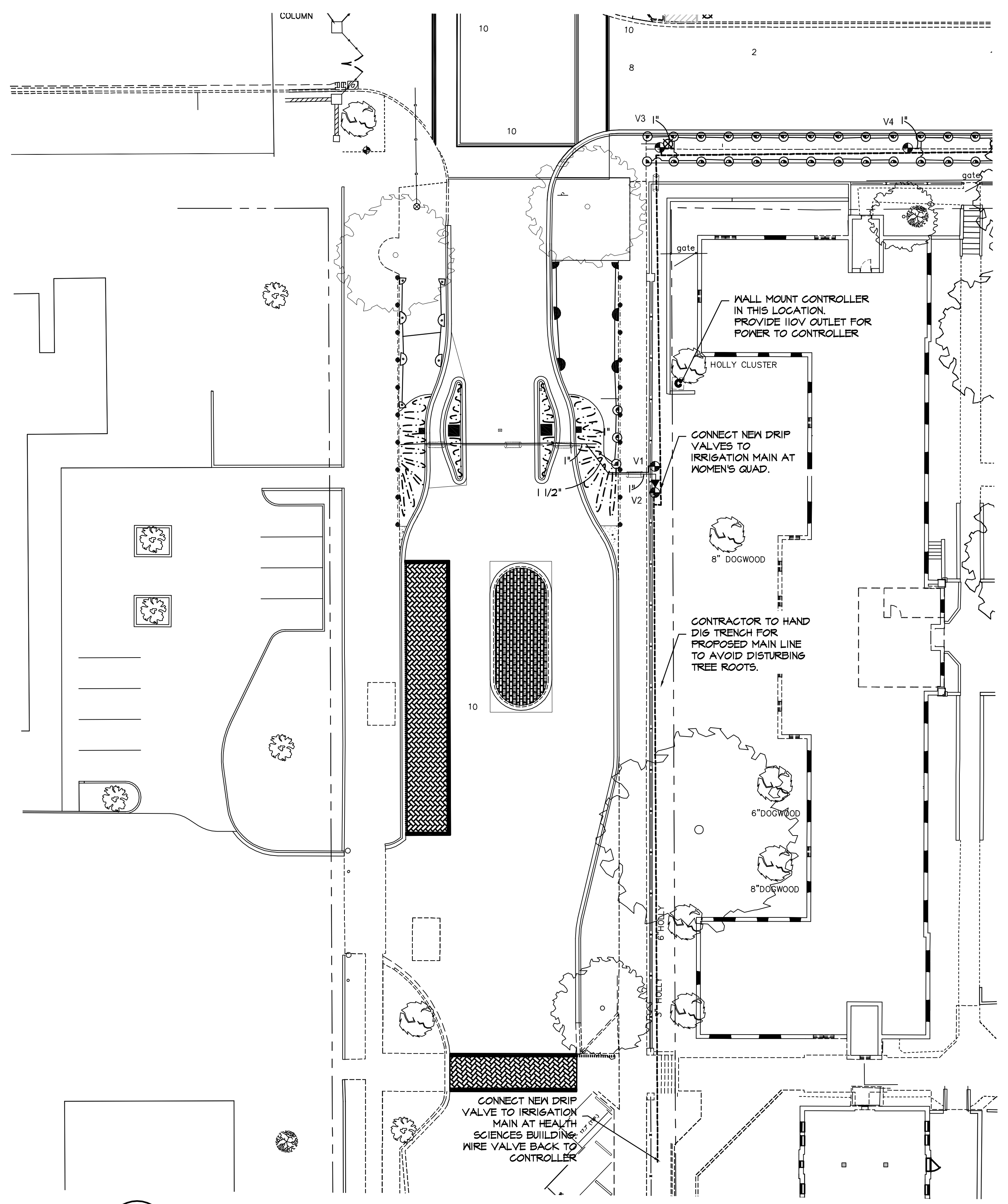
IRRIGATION NOTES

1. ALL IRRIGATION TO BE AS SPECIFIED OR APPROVED EQUAL.
2. SYSTEM DESIGNED TO RUN AT 25 GPM WITH 65 PSI.
3. CONTRACTOR TO COORDINATE WITH OWNER CONCERNING IRRIGATION METER PRIOR TO COMMENCEMENT OF WORK SO AS NOT TO DELAY COMPLETION OF IRRIGATION.
4. CONTRACTOR SHALL PERFORM PRESSURE AND FLOW TESTS AT PROPOSED POINT OF CONNECTION PRIOR TO INSTALLATION TO VERIFY THAT ADEQUATE DESIGN CRITERIA IS PRESENT.
5. ADJUSTMENT OF LATERAL LINES AND DRIP LINES WILL BE NECESSARY IN THE FIELD.
6. DRIP TUBE SYMBOLS AND IRRIGATION PIPING LAYOUT PROVIDED FOR GENERAL LOCATIONS IN THE FIELD ONLY, SYMBOLS DO NOT NECESSARILY PORTRAY AN ACCURATE QUANTITY.
7. UTILIZE EMITTER DISTRIBUTION TUBING AS DETAILED.
8. INSTALL AUTO FLUSH VALVES ON DRIP TUBE AT ENDS AS NEEDED TO DRAIN DRIP TUBE AFTER EACH USE.
9. ALL DRIP TUBE TO BE INSTALLED UNDER MULCH.
10. WHERE IRRIGATION PIPING CROSSES SIDEWALKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING A SLEEVE 2 SIZES LARGER THAN THE CROSSING PIPE.



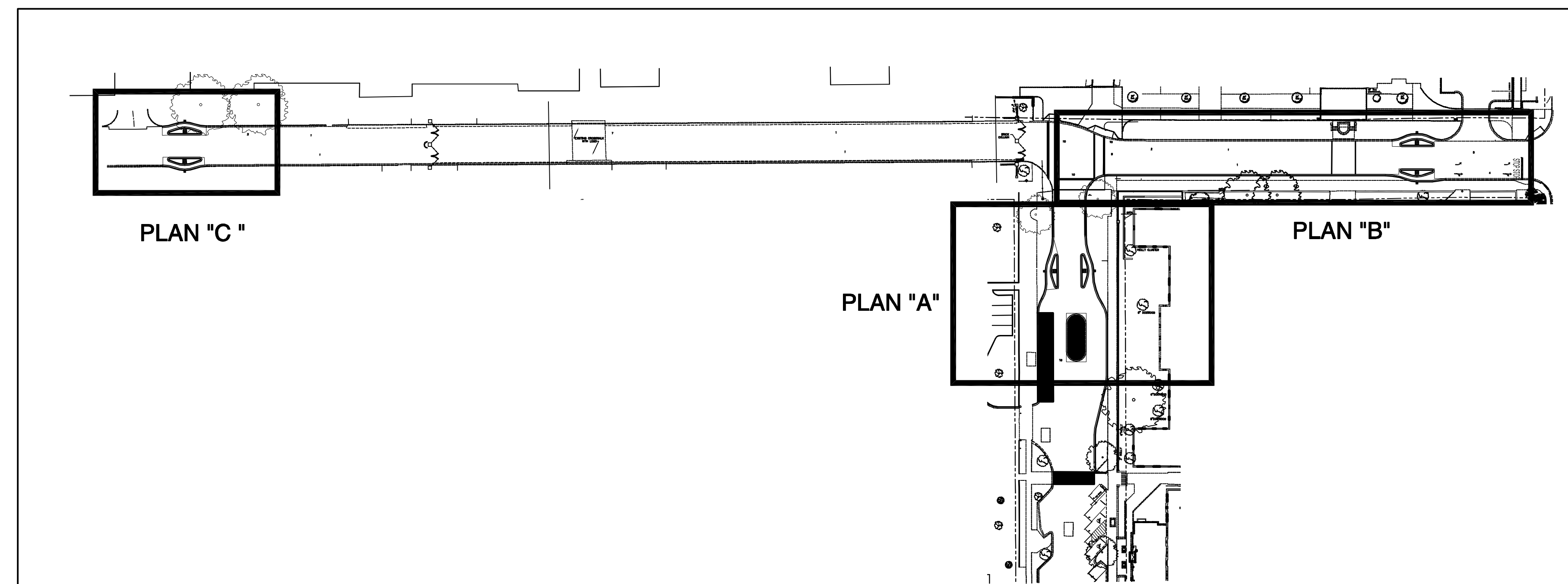
C GREENE ST. IRRIGATION
I-1.0 PLAN

SCALE 1"=20'-0"



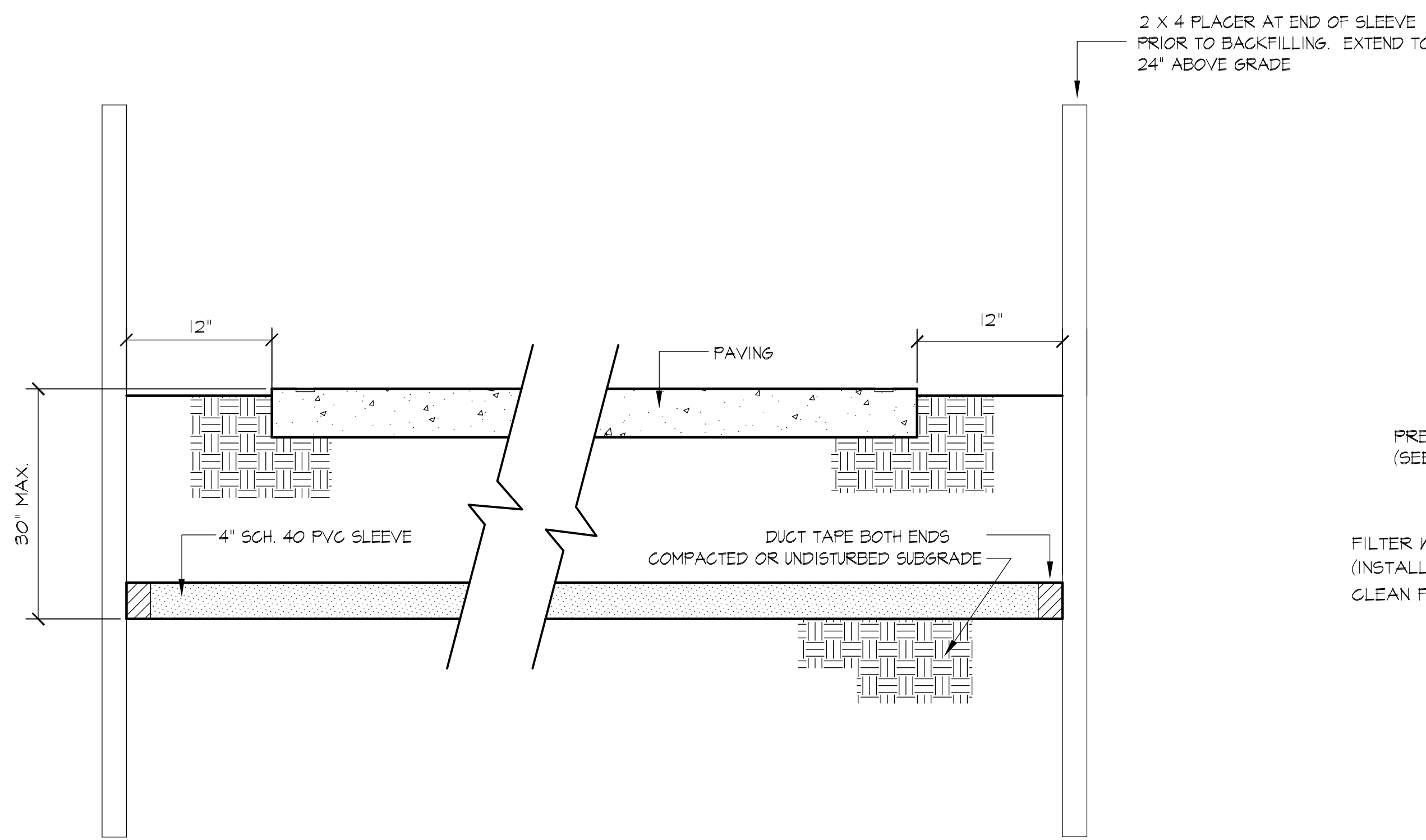
A BULL ST. IRRIGATION
I-1.0 PLAN

SCALE 1"=20'-0"

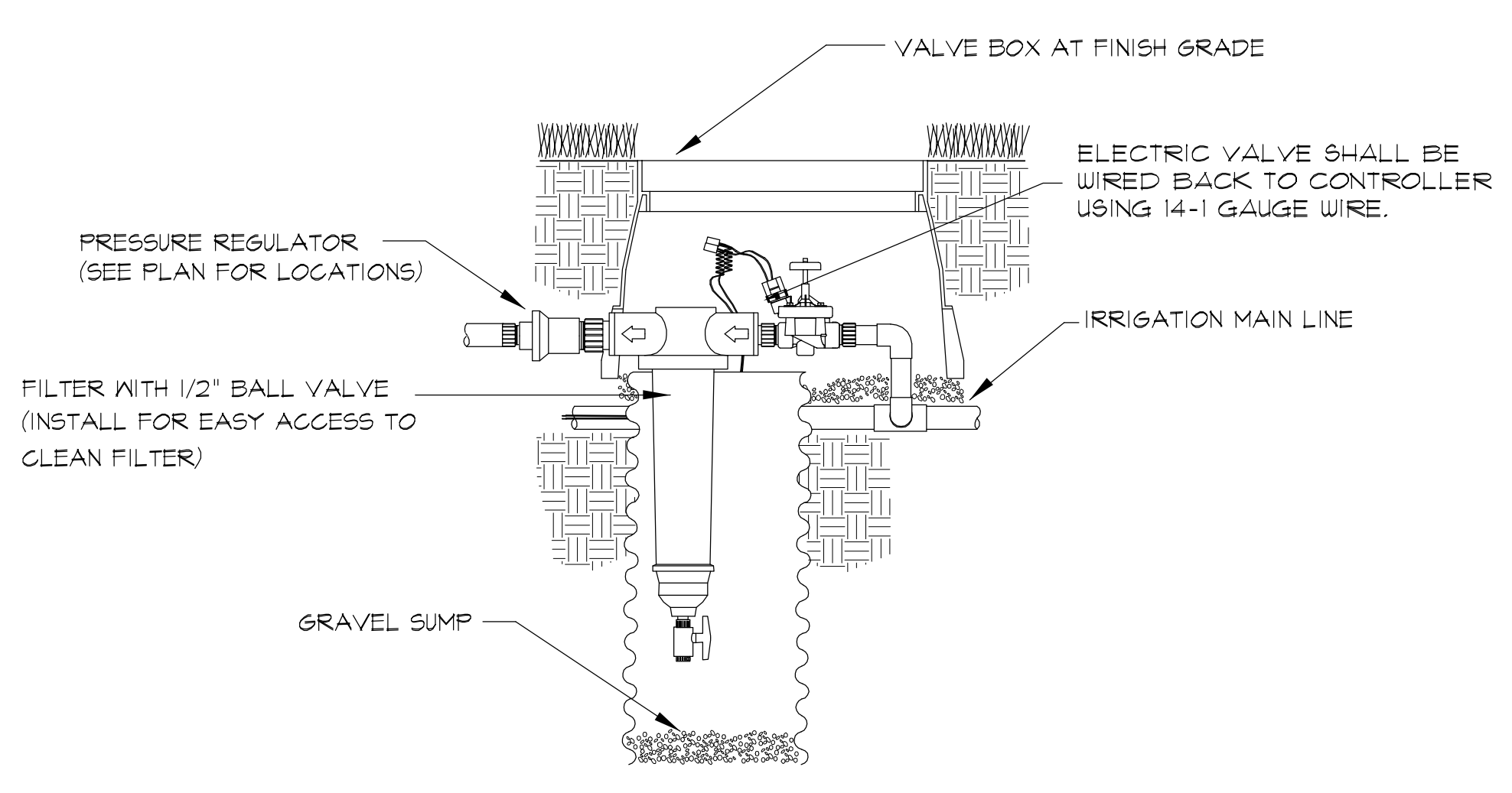


PLAN KEY
PLAN

NOT TO SCALE



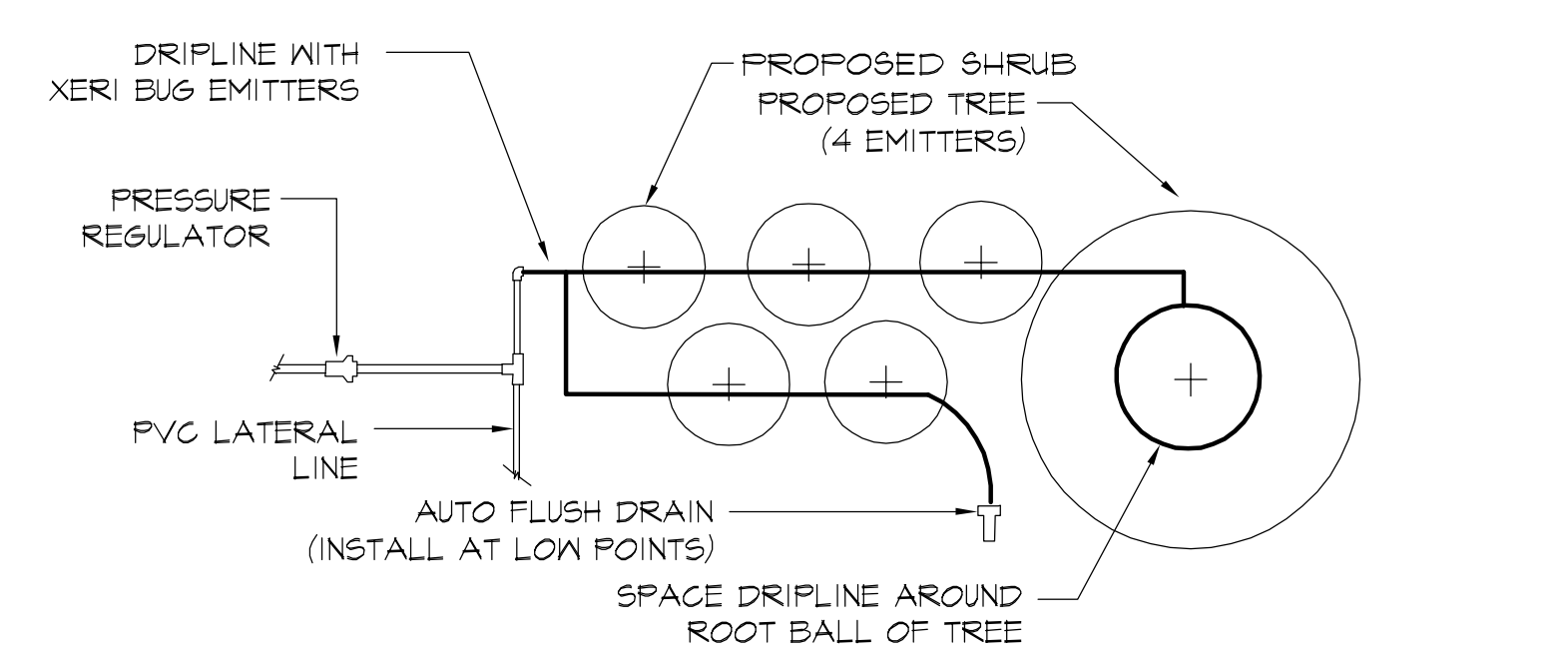
A
I-2.0 SECTION NOT TO SCALE
SLEEVING DETAIL



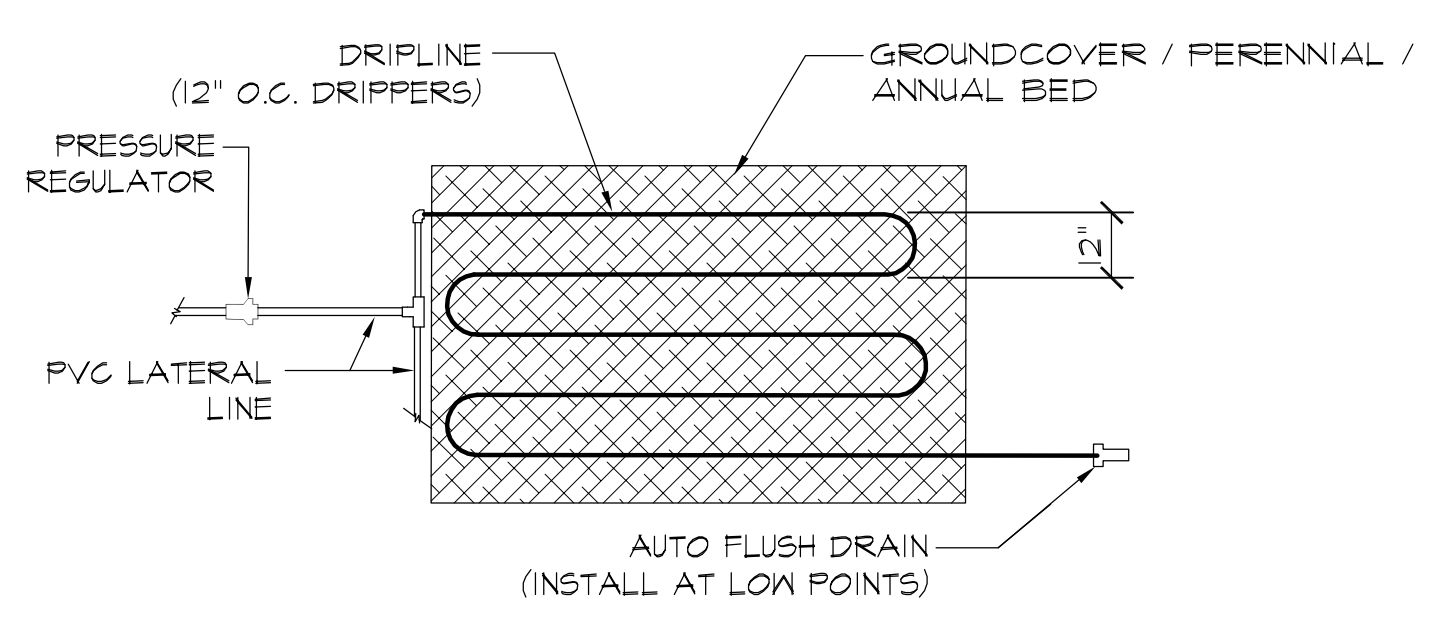
B
I-2.0 SECTION NOT TO SCALE
ELECTRIC VALVE-DRIP ZONE

IRRIGATION NOTES

1. ALL PLASTIC PIPE FITTINGS TO BE MINIMUM SCHEDULE 40 PVC.
2. ALL MAIN LINES TO BE SCHEDULE 40 PVC OR SCHEDULE 200 PVC.
3. ALL LATERAL LINES TO BE SCHEDULE 200 PVC OR SCHEDULE 160 PVC.
4. COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION OF SCHEDULE 40 PVC PIPE UNDER PAVED SURFACES AS NOTED ON THE DRAWINGS TO BE UTILIZED FOR IRRIGATION SLEEVINGS. THE LOCATION OF SLEEVING IS MARKED ON THE IRRIGATION PLAN. DEVIATIONS MAY OCCUR DURING CONSTRUCTION.
5. TRENCHES FOR PVC PIPE MAINLINES SHALL BE EXCAVATED TO SUFFICIENT DEPTH OF 18\"/>



C
I-2.0 PLAN NOT TO SCALE
DRIPLINE IN SHRUBS



D
I-2.0 PLAN NOT TO SCALE
DRIPLINE IN GROUNDCOVER