NOTE:

IT IS CONTRACTORS RESPONSIBILITY TO VERIFY THA THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECT/MOST UP-TO-DATE PLANS AVAILABLE.



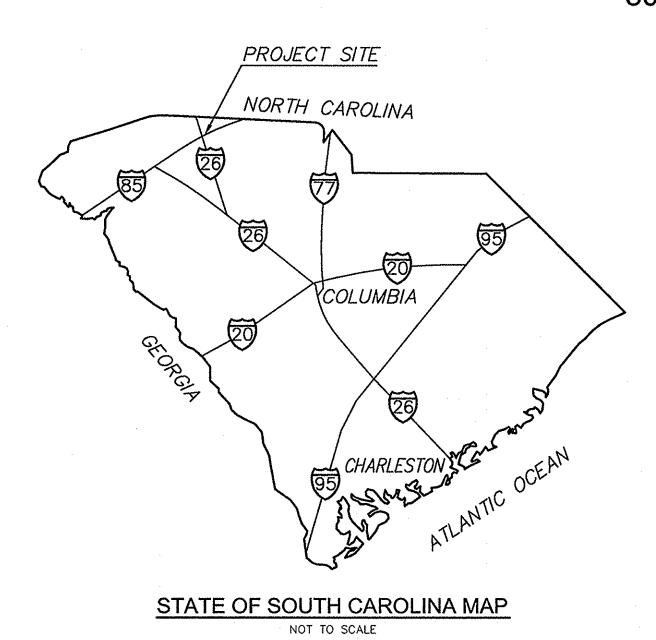
SITE CONSTRUCTION DRAWINGS FOR

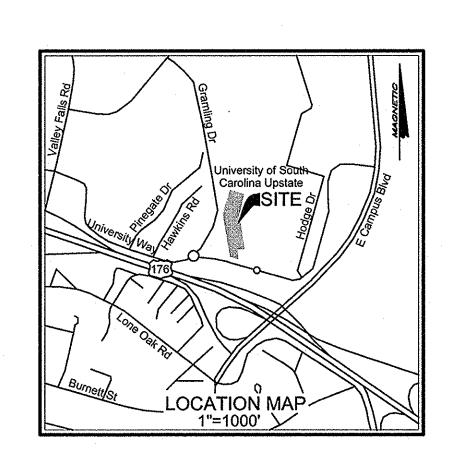
UNIVERSITY OF SOUTH CAROLINA UPSTATE DM12 UPSTATE PARKING LOT 4 & 5 REPAIR / RESURFACE

PREPARED FOR:

UNIVERSITY OF SOUTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
743 GREENE STREET
COLUMBIA, SOUTH CAROLINA 29208
803.777.3126





SHEET INDEX:

C-1 COVER AND INDEX SHEET

C-2 SITE PLAN

-3 DETAIL SHEET

DINKINS, INC. No. C00294 UNIVERSITY OF SOUTH CAROLINA Ann G. Derrick Facilities Design and Construction 743 Greene Street Columbia, SC 29208 803.777.3126

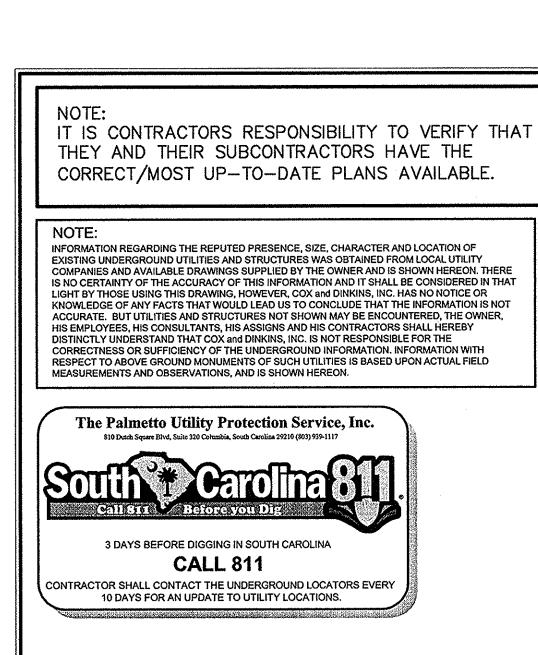
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2/12/2013

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NOTE:
INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES WAS OBTAINED FROM LOCAL UTILITY COMPANIES AND AVAILABLE DRAWINGS SUPPLIED BY THE OWNER AND IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING, HOWEVER, COX and DINKINS, INC. HAS NO NOTICE OR KNOWLEDGE OF ANY FACTS THAT WOULD LEAD US TO CONCLUDE THAT THE INFORMATION IS NOT ACCURATE. BUT UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED, THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS ASSIGNS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT COX and DINKINS, INC. IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THE UNDERGROUND INFORMATION. INFORMATION WITH RESPECT TO ABOVE GROUND MONUMENTS OF SUCH UTILITIES IS BASED UPON ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS, AND IS SHOWN HEREON.





CONSTRUCTION SEQUENCE:

- INSTALL EROSION CONTROL MEASURES. PATCH/REPAIR ASPHALT IN DESIGNATED AREAS.
- REMOVE CONCRETE SIDEWALK AND INSTALL DEPRESSED
- ACCESSIBLE SIDEWALK AND RAMPS.
- REPLACE EXISTING CURB & GUTTER TO BE DEMOLISHED. CONSTRUCT CURB AROUND EXISTING CATCH BASIN.
- MILL EXISTING ASPHALT ADJACENT TO EXISTING CURB AND
- SIDEWALKS. OVERLAY PARKING AREA WITH 2" ASPHALTIC COURSE.
- APPLY PARKING SPACE STRIPING AND PAVEMENT MARKINGS.
- PERFORM FINAL SITE CLEANUP.

BID QUANTITIES

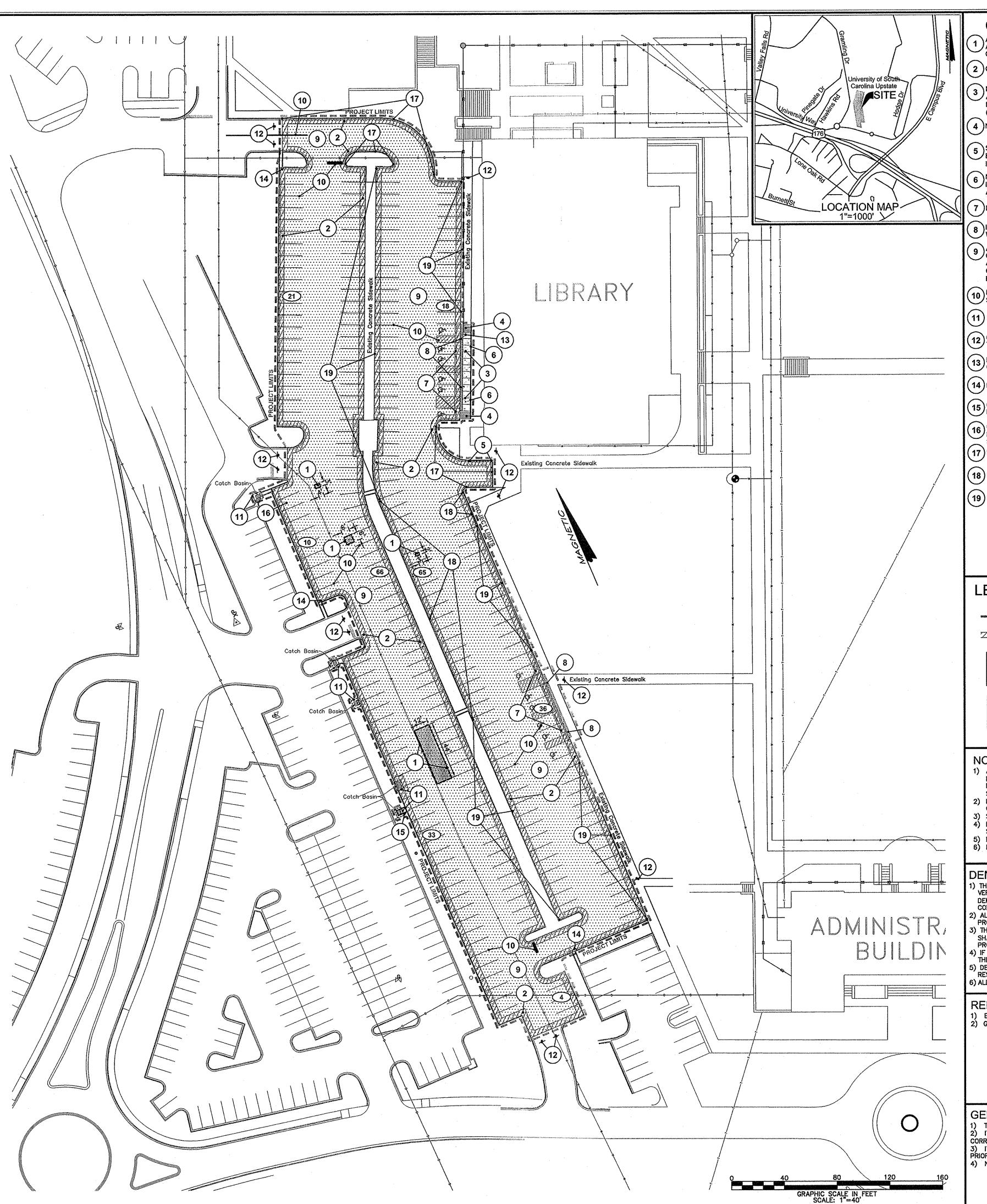
THE QUANTITIES SHOWN BELOW ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE ALL QUANTITIES AND INCLUDE THEM IN THE BASE BID. OWNER IS NOT RESPONSIBLE FOR DISCREPANCIES BETWEEN ESTIMATED AND ACTUAL QUANTITIES. PARKING STALL STRIPING TACK COAT & ASPHALT OVERLAY 83,400 S.F. ACCESSIBLE PARKING SYMBOLS PAVEMENT TRAFFIC MARKINGS STOP BARS
DOUBLE SOLID YELLOW LANE LINE STRIPED ACCESSIBLE ISLANDS 690 S.F. ACCESSIBLE RAMP 18 L.F. CURB & GUTTER 1260 L.F. 225 S.F. 582 S.F. **CURB PAINTING**

NOTES TO CONTRACTOR:

DETECTABLE WARNING STRIPS

PAVEMENT PATCHING

-) PARKING LOT TO BE RESTRIPED AS EXISTING. THESE PLANS MAY NOT REFLECT EXISTING PARKING COUNT. CONTRACTOR SHALL VERIFY THE NUMBER COUNT ON
- SITE AND RESTRIPE ACCORDINGLY. THE CONTRACTOR SHALL NOTIFY FRED SCOTT OF UNIVERSITY OF SOUTH
- CAROLINA UPSTATE (864-503-5538) 48 HOURS PRIOR TO STARTING WORK.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL AND BARRIERS IN THE PAVEMENT, DRIVE AREAS, AND SIDEWALKS TO ENSURE TRAFFIC DOES NOT DISRUPT THE WORK IN PROGRESS. CONTRACTOR SHALL COORDINATE WITH FRED
- SCOTT OF UNIVERSITY OF SOUTH CAROLINA UPSTATE (864-503-5538). CONTRACTOR SHALL CONSULT WITH PAVEMENT MARKING MANUFACTURER AND SUBCONTRACTOR TO DETERMINE ACCEPTABLE PROCEDURE FOR APPLYING PAVEMENT MARKINGS PRIOR TO THE RECOMMENDED ASPHALT CURING PERIOD. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO THE NEW ASPHALT THAT MAY BE CAUSED BY IMPROPER APPLICATION OF PAVEMENT
- CONTRACTOR SHALL NOTIFY PUPS, METROPOLITAN WATER DISTRICT (864-503-0822) AND USC UPSTATE FACILITIES MANAGEMENT (864-503-5500) A MINIMUM THREE(3) DAYS PRIOR TO DIGGING.

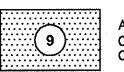


CODED NOTES

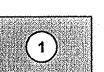
- APPROXIMATE AREA OF ASPHALT REPAIR. SAWOUT, DEMOLISH ASPHALT AS DIMENSIONED AND RE-PAVE ASPHALT TO MATCH EXISTING GRADES PER PAVEMENT SECTION DETAIL. SEE DEMOLITION NOTES. ALL CONNECTIONS TO EXISTING PAVEMENT SHALL BE JOINT SEALED.
- 2) CROSS-HATCHED AREA INDICATES 4' WIDE TAPERED MILL TO EXISTING ASPHALT. SEE NOTE 9.
- 3) NEW 8' WIDE, 4" THICK 3000 PSI CONCRETE SIDEWALK FLUSH WITH ASPHALT OVERLAY FOR DEPRESSED ACCESSIBLE SIDEWALK (SEE DETAILS). CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT 6' O.C.. INSTALL EXPANSION JOINTS AT 30' O.C. (UNLESS OTHERWISE SHOWN) AND AT RAMPS. MAXIMUM CROSS SLOPE = 2.0%
- 4)NEW ACCESSIBLE RAMP. (SEE DETAIL) (TYPICAL). MAXIMUM ALLOWABLE SLOPE IS 8.33% (1:12).
- 5 SAW CUT AND REMOVE EXISTING CURB. INSTALL NEW CONCRETE "L" TYPE CURB AND GUTTER TO MATCH EXISTING. CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT 6' O.C. TO LINE UP WITH JOINTS IN SIDEWALK. INSTALL EXPANSION JOINTS AT 30' O.C., MATCH SIDEWALK JOINT LOCATION. (TYPICAL) (SEE DETAIL)
- 6 NEW 6" WIDE BY 12" TALL CONCRETE HEADER CURB AT BACK OF ACCESSIBLE SIDEWALK. CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT 6' O.C. TO LINE UP WITH JOINTS IN SIDEWALK. INSTALL EXPANSION JOINTS AT 30' O.C. (TYPICAL) (SEE DETAIL)
- 7) NEW CONCRETE WHEELSTOP AT ALL ACCESSIBLE PARKING STALLS. (TYPICAL) (SEE DETAIL)
- 8 INSTALL DETECTABLE WARNING SURFACE AT DEPRESSED ACCESSIBLE SIDEWALK ADJACENT TO ASPHALT. WARNING SURFACE COLOR TO BE YELLOW.
- 9 AREA TO BE RESURFACED WITH TACK COAT AND 2" THICK ASPHALTIC COURSE, TYPE 1, (SCDOT, SECT. 403).
 CONTRACTOR SHALL ENSURE THAT THE EXISTING PAVEMENT IS CLEAN AND FREE OF LOOSE PARTICLES BEFORE APPLICATION OF THE TACK COAT. PAVEMENT ADJACENT TO EXISTING CURBING, DRAINAGE STRUCTURES, AND CONCRETE WALKS SHALL BE MILLED TO A MAXIMUM DEPTH OF 2", MINIMUM WIDTH 4" TAPERING BACK TO EXISTING PAVEMENT PRIOR TO INSTALLATION OF 2" ASPHALTIC OVERLAY SURFACE.
- PARKING STALL STRIPING TO BE RE-PAINTED TO MATCH EXISTING SIZE AND LOCATION. SEE PARKING LOT STRIPING NOTES. ALSO, INCLUDES STOP BARS, AND ACCESSIBLE SPACES PAVEMENT MARKINGS. (TYPICAL)
- (11) INSTALL DROP INLET SEDIMENT FILTER. SEE DETAIL.
- CONTRACTOR SHALL PROVIDE SIGNAGE AND TRAFFIC CONTROL TO PREVENT PEDESTRIAN AND VEHICULAR TRAFFIC FROM ENTERING PROJECT SITE.
- EXISTING CLEAN-OUT TO BE LOWERED TO MATCH NEW CONCRETE SIDEWALK ELEVATION. CONTRACTOR TO USE CAUTION NOT TO DAMAGE EXISTING SERVICE LINE.
- (14) INSTALL SEDIMENT CONTROL TUBE AT FLUME.
- 6" WIDE BY 12" TALL CONCRETE HEADER CURB TO BE CONSTRUCTED AROUND EXISTING CONCRETE AND CATCH BASIN. BACKFILL BACK SIDE OF CURB.
- CONTRACTOR TO ADJUST ASPHALT OVERLAY THICKNESS IN THIS AREA TO ENSURE POSITIVE DRAINAGE TO FLUME, MINIMUM THICKNESS 2". THERE IS SOME SEDIMENT ACCUMULATION IN THIS AREA FROM PONDING OF
- (17) REPAINT CURB YELLOW AS SHOWN ON PLAN.
- (18) REPAINT CURB WHITE AS SHOWN ON PLAN.
- (19) REPAINT CURB GREEN AS SHOWN ON PLAN.

LEGEND

PROJECT LIMITS



APPROXIMATE AREA OF TACK COAT AND 2" ASPHALTIC OVERLAY RESURFACING COURSE



APPROXIMATE AREA OF PAVEMENT TO BE DEMOLISHED AND REPAVED PER

NOTES REGARDING PARKING LOT STRIPING:

-) ALL PARKING LOT STRIPING SHOWN SHALL BE PERFORMED BY THE CONTRACTOR USING WHITE TRAFFIC MARKING PAINT UNLESS NOTED OTHERWISE BELOW. PAINT SHALL BE SHERWIN-WILLIAMS "PRO-MAR" TRAFFIC MARKING PAINT OR GLIDDEN TRAFFIC PAINT AND SHALL BE FOUR INCHES WIDE APPLIED IN TWO COATS AND IT STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 2) ITEMS TO BE PAINTED WHITE INCLUDE: PARKING STALLS, STOP BARS, AND WHITE PAINTED CURBING AS SHOWN STRIPED ISLANDS TO BE PAINTED AS EXISTING.
- ITEMS REQUIRING YELLOW PAINT INCLUDE EXISTING YELLOW PAINTED CURBING AS SHOWN ON PLAN, WHEEL STOPS, AND DOUBLE SOLID LANE STRIPING.
-) ITEMS REQUIRING BLUE PAINT INCLUDE HANDICAP PARKING STALLS, SYMBOLS, AND STRIPED ISLANDS.
- 6) ITEM REQUIRING GREEN PAINT INCLUDE GREEN PAINTED CURBING AS SHOWN ON PLAN.

EMOLITION NOTES:

-) THE CONTRACTOR SHALL FIELD VERIFY ALL ASPHALT TO BE DEMOLISHED AND REMOVE FROM THE SITE. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE
- 2) ALL EXISTING CONCRETE AND/OR ASPHALT PAVEMENT TO BE REMOVED SHALL BE DISPOSED OF OFF—CAMPUS PROPERTY BY THE CONTRACTOR ACCORDING TO APPLICABLE CODES.

 3) THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER
- SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEMOLISH AND/OR LEGALLY DISPOSE OF OFF-CAMPUS) IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WIT
- THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.

 5) DEMOLITION SHALL MEET ALL APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS. S) ALL DEMOLITION MATERIAL SHALL BE DISPOSED OF OFF-CAMPUS PROPERTY BY THE CONTRACTOR.

REFERENCES:

BASE MAP PROVIDED BY UNIVERSITY OF SOUTH CAROLINA. GOOGLE MAPS AREIAL PHOTOS.

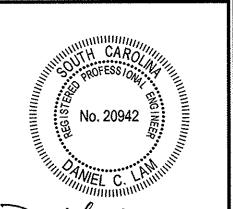
GENERAL NOTES:

- 1) THE LOCATION OF OTHER UNDERGROUND UTILITIES AND THEIR SERVICES ARE UNKNOWN.
 2) IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECT/LAST REVISED PLANS AVALABLE.
- 3) IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER/OPERATOR FOR UTILITY LOCATIONS PRIOR TO START OF CONSTRUCTION. 4) NO FIELD WORK DONE BY COX AND DINKINS, INC.

COX AND DINKINS

ENGINEERS - SURVEYORS

COX AND DINKINS, INC. 724 BELTLINE BLVD. COLUMBIA, SC 29205 803-254-0518 Fax: 803-765-0993



Email: cdinc@coxanddinkins.com

REGISTERED PROFESSIONAL ENGINEER
NO. 20942



CERTIFICATE OF AUTHORIZATION SEAL

DEVELOPER:

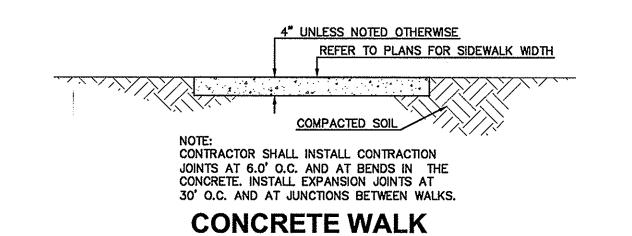
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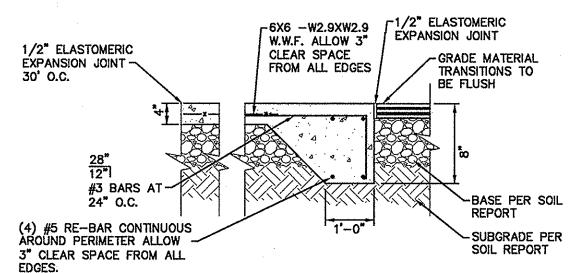
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2/12/2013



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NOTES:

1. PROVIDE SMOOTH DOWELS AT ALL CONSTRUCTION JOINTS.

2. FILL ALL JOINTS WITH BITUMINOUS SEALANT.

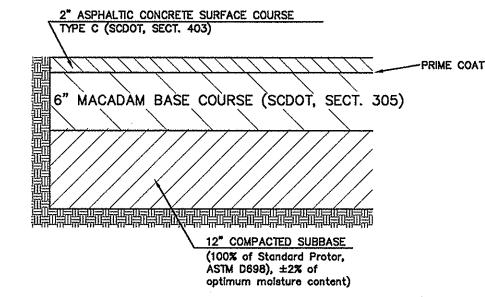
3. CONCRETE SHALL HAVE A MINIMUM 28 COMPRESSIVE STRENGTH OF 3000 PSI.

4. LIGHT BROOM FINISH ON ALL SURFACES.

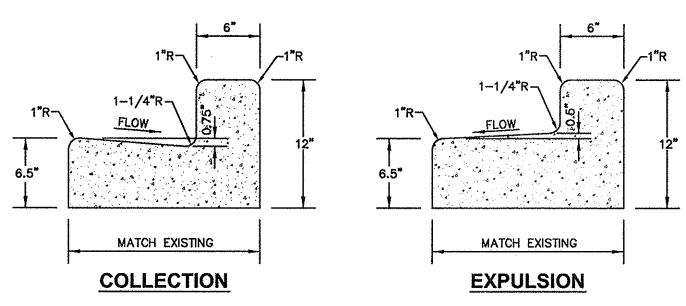
5. PROVIDE 3/8" WIDE X 1 1/4" DEEP CONTROL JOINT AT 10'-0" ON CENTER EACH DIRECTION.

6. PROVIDE 2" CHAMFER AT CORNERS OF PAD WHERE CONCRETE MEETS ASPHALT. SEE THE SITE IMPROVEMENT PLAN FOR PAD DIMENSIONS AND ORIENTATION.

CONCRETE TURN DOWN EDGE

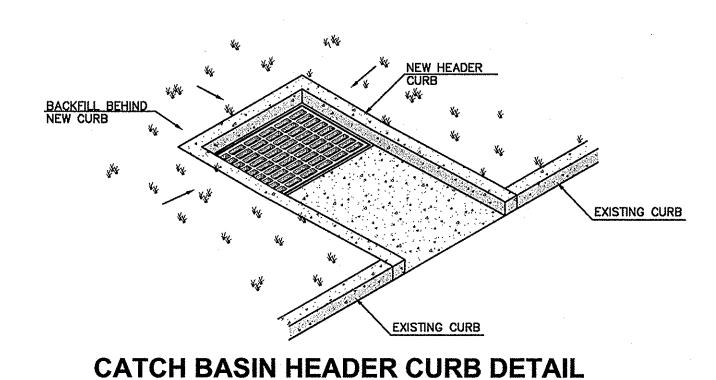


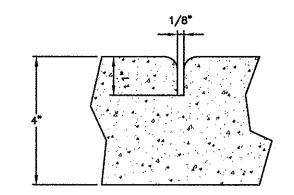
STANDARD DUTY PAVEMENT SECTION CONTRACTOR TO VERIFY WITH OWNER'S GEOTECHNICAL ENGINEER



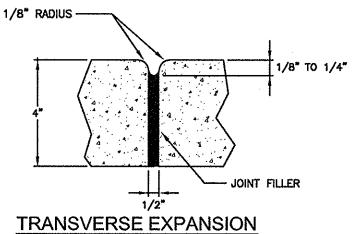
"L" TYPE CURB AND GUTTER

NTS
Min. Concrete Strength = 2500 p.s.i.





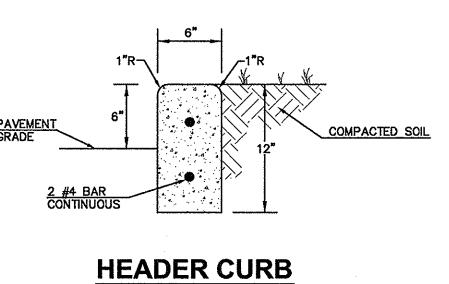
GROOVE JOINT IN SIDEWALK



JOINT IN SIDEWALK

GENERAL NOTES:

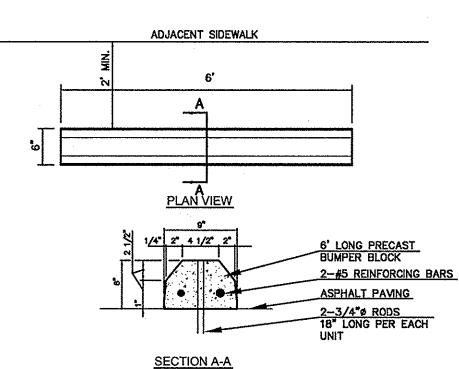
- 1. A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 6' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 30' INTERVALS NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
- 2. SIDEWALK AT DRIVEWAY ENTRANCES TO BE 6" THICK.
- 3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI. IN 28 DAYS.



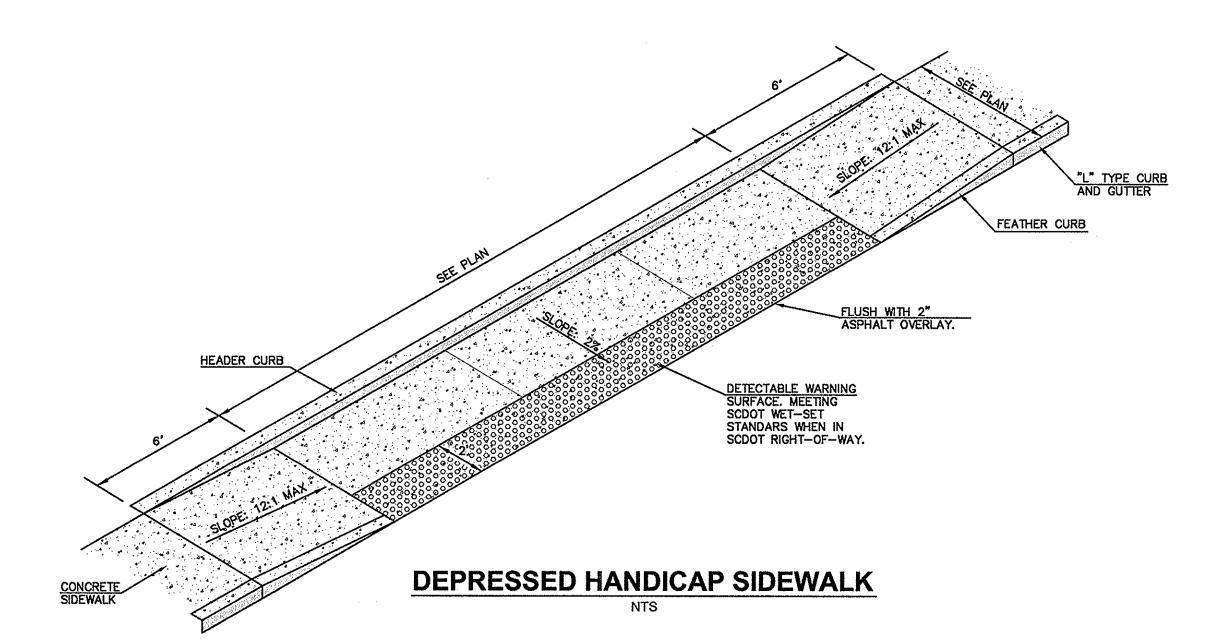
HEADER CURB

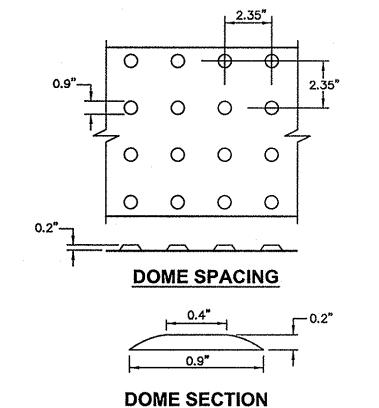
NTS

Min. Concrete Strength = 2500 p.s.i.



PRECAST CONCRETE WHEEL STOP





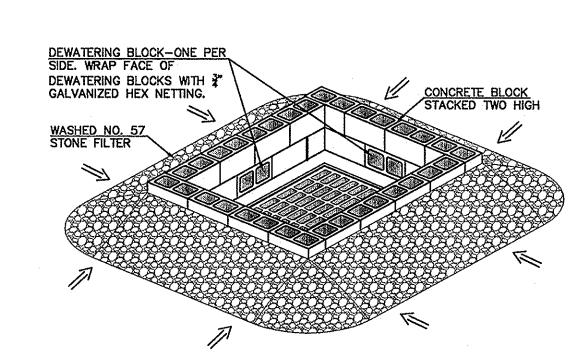
DETECTABLE WARNING DOME

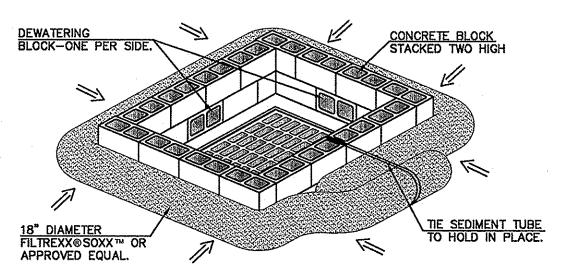
NTS

NOTE: DETECTABLE WARNING SURFACE SHALL
CONTRAST VISUALLY WITH THE ADJOINING SURFACE,
AND SHALL BE INTEGRAL TO THE WALKING SURFACE.
DETECTABLE SURFACES SHALL DIFFER FROM ADJACENT
SURFACES IN RESILIANCY OR SOUND—ON—CANE

FOR ADDITIONAL INFORMATION ON ADA DETECTABLE WARNING DOME, CONTRACTOR CAN REFER TO THE FOLLOWING WEB SITE FOR MANUFACTURERS INFORMATION:

www.accessforblind.org/dw_manufacturers.html





GRATE & FRAME BLOCK & GRAVEL OPTION

GRATE & FRAME BLOCK & SEDIMENT TUBE OPTION

MAINTENANCE:

inspect every 7 calendar days and within 24—hours after each rainfall event that produces ½ inches or more of precipitation. Remove sediment when it reaches ⅓ the height of the blocks or sediment tube. If a sump is used, remove sediment when it fills ⅓ the depth of the hole. If the stone becomes clagged with sediment, the stones must be pulled away from the inlet and cleaned or replaced. Since cleaning of gravel at a construction site may be difficult, an alternative approach would be to use the clagged stone as fill and put fresh stone around the inlet. Remove inlet protection structures after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

DROP INLET SEDIMENT FILTER DETAIL

NTS

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724 BELTLINE BLVD.
COLUMBIA, SC 29205
803-254-0518
Fax: 803-765-0993
Email: cdinc@coxanddinkins.com

ANO. 20942

REGISTERED PROFESSIONAL ENGINEER
NO. 20942

COX AND DINKINS, INC.
No. C00294

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CERTIFICATE OF AUTHORIZATION SEAL

UNIVERSITY OF SOUTH CAROLINA

DEVELOPER:

UNIVERSITY OF SOUTH CAROLINA

COX AND DINKINS

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Ann G. Derrick

Facilities Design and Construction

743 Greene Street Columbia, SC 29208

803.777.3126

UNIVERSITY OF SOUTH
DM12 UPSTATE PARKING LOT
H34-9543-JM-C / CP00

LOCATED IN SF
SPARTANBURG COUNT

6-08-00-010.01

BOOK N/A SF NO. N/A

PROJECT NO. SHEET NO. TABLE

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2/12/2013