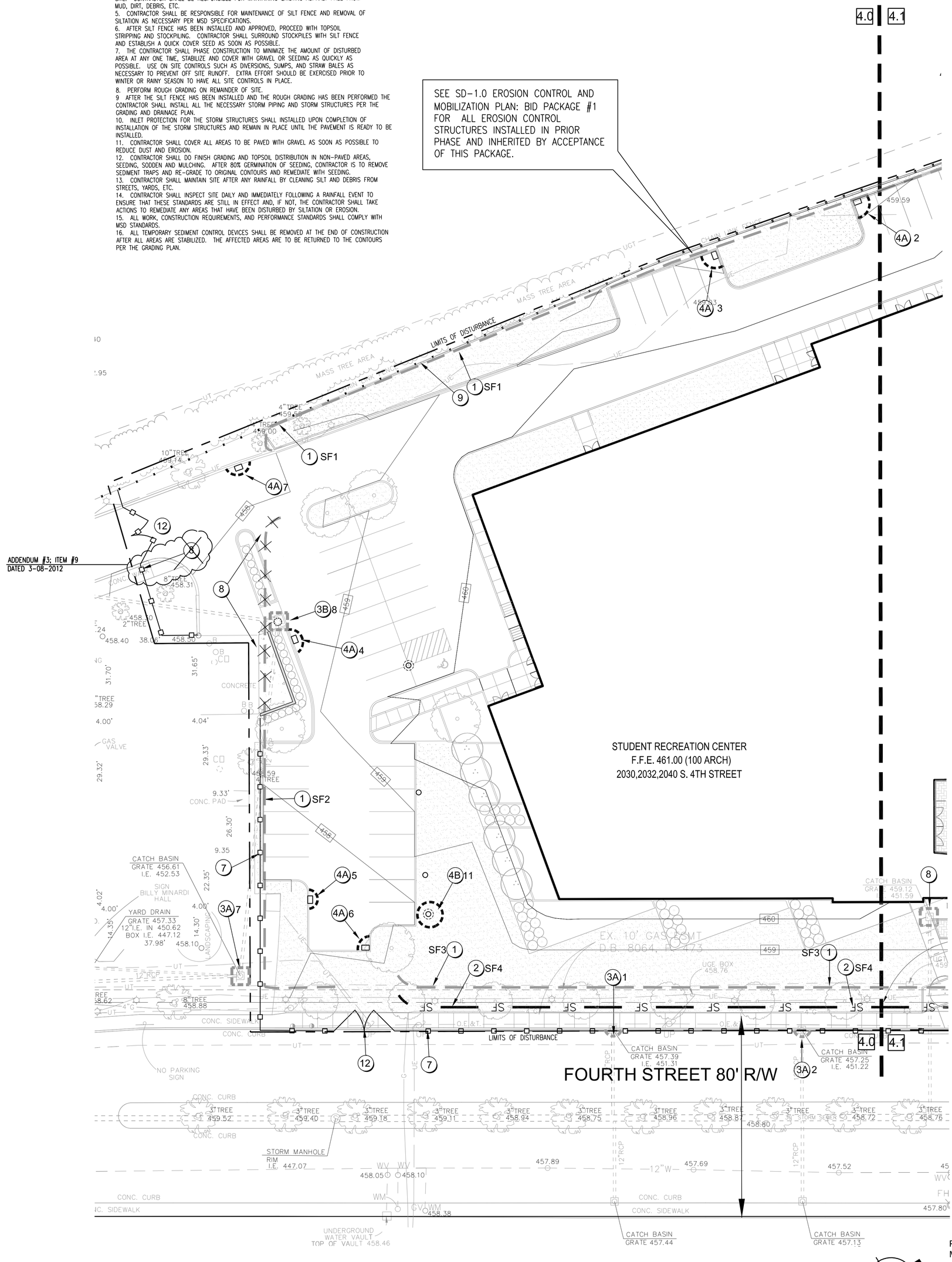
EPSC PHASING

1. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH LOUISVILLE MSD TO DISCUSS EROSION CONTROL AND PREVENTION MEASURES PRIOR TO MOBILIZE THE PROJECT SITE.
2. CONTRACTOR SHALL ENSURE THAT HE IS IN POSSESSION OF A SET OF APPROVED FINAL CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGE TO THE KENTUCKY DIVISION OF WATER WITH A COPY TO LOUISVILLE MSD AND CARMAN. CONTRACTOR SHALL ALSO PERFORM INSPECTIONS AND KEEP ONSITE RECORDS OF INSPECTIONS AND MAINTENANCE OF EROSION CONTROL DEVICES AS DESCRIBED IN THESE PLANS AND SPECIFICATIONS.
4. SILT FENCE, INLET PROTECTION ALONG FOURTH STREET, AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS INDICATED ON THE PLANS PRIOR TO MOBILIZATION OF THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING ASPHALT FREE FROM MUD, DIRT, DEBRIS, ETC.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF SILT FENCE AND REMOVAL OF SILTATION AS NECESSARY PER MSD SPECIFICATIONS.
6. AFTER SILT FENCE HAS BEEN INSTALLED AND APPROVED, PROCEED WITH TOPSOIL STRIPPING AND STOCKPILING. CONTRACTOR SHALL SURROUND STOCKPILES WITH SILT FENCE AND ESTABLISH A QUICK COVER SEED AS SOON AS POSSIBLE.
7. THE CONTRACTOR SHALL PHASE CONSTRUCTION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY ONE TIME, STABILIZE AND COVER WITH GRAVEL OR SEEDING AS QUICKLY AS POSSIBLE. USE ON SITE CONTROLS SUCH AS DIVERSIONS, SUMPS, AND STRAW BALES AS NECESSARY TO PREVENT OFF SITE RUNOFF. EXTRA EFFORT SHOULD BE EXERCISED PRIOR TO WINTER OR RAINY SEASON TO HAVE ALL SITE CONTROLS IN PLACE.
8. PERFORM ROUGH GRADING ON REMAINDER OF SITE.
9 AFTER THE SILT FENCE HAS BEEN INSTALLED AND THE ROUGH GRADING HAS BEEN PERFORMED THE CONTRACTOR SHALL INSTALL ALL THE NECESSARY STORM PIPING AND STORM STRUCTURES PER THE GRADING AND DRAINAGE PLAN.
10. INLET PROTECTION FOR THE STORM STRUCTURES SHALL INSTALLED UPON COMPLETION OF INSTALLATION OF THE STORM STRUCTURES AND REMAIN IN PLACE UNTIL THE PAVEMENT IS READY TO BE INSTALLED.
11. CONTRACTOR SHALL COVER ALL AREAS TO BE PAVED WITH GRAVEL AS SOON AS POSSIBLE TO REDUCE DUST AND EROSION.
12. CONTRACTOR SHALL DO FINISH GRADING AND TOPSOIL DISTRIBUTION IN NON-PAVED AREAS, SEEDING, SODDEN AND MULCHING. AFTER 80% GERMINATION OF SEEDING, CONTRACTOR IS TO REMOVE SEDIMENT TRAPS AND RE-GRADE TO ORIGINAL CONTOURS AND REMEDIATE WITH SEEDING.
13. CONTRACTOR SHALL MAINTAIN SITE AFTER ANY RAINFALL BY CLEANING SILT AND DEBRIS FROM STREETS, YARDS, ETC.
14. CONTRACTOR SHALL INSPECT SITE DAILY AND IMMEDIATELY FOLLOWING A RAINFALL EVENT TO ENSURE THAT THESE STANDARDS ARE STILL IN EFFECT AND, IF NOT, THE CONTRACTOR SHALL TAKE ACTIONS TO REMEDIATE ANY AREAS THAT HAVE BEEN DISTURBED BY SILTATION OR EROSION.
15. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH MSD STANDARDS.
16. ALL TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED AT THE END OF CONSTRUCTION AFTER ALL AREAS ARE STABILIZED. THE AFFECTED AREAS ARE TO BE RETURNED TO THE CONTOURS PER THE GRADING PLAN.



EROSION CONTROL PLAN: PHASE 2

SCALE: 1"=20'-0"

0 10 20 40

CODED EROSION CONTROL / MOBILIZATION NOTES

KEY	DESCRIPTION	DETAILS
1 -SF#	PHASE 1 SILT FENCE: PREVIOUSLY INSTALLED MSD STANDARD DWG. # EF-10-02	
2 -SF#	PHASE 2 SILT FENCE TO BE INSTALLED WHERE INDICATED PRIOR TO REMOVAL OF PHASE 1 (EXISTING) SILT FENCE. MSD STANDARD DWG. # EF-10-02	
3 -#	PHASE 1 INLET PROTECTION: MSD STD DWG. # EF-03-02 A: SURFACE INLET B: YARD INLET	
4 -#	PHASE 2 INLET PROTECTION: MSD STD DWG #EF-03-02 A: SURFACE INLET B: YARD INLET	
5	PRIMARY CONSTRUCTION CONSTRUCTION ENTRANCE MSD STANDARD DWG. # ER-01-02	
6	CONCRETE WASHOUT PIT	
7	PHASE 1 CONSTRUCTION FENCE TO REMAIN	
8	PHASE 1 EROSION CONTROL STRUCTURE TO BE REMOVED AND/OR RELOCATED AS INDICATED ON THESE PLANS.	
9	PROTECT EXISTING CHAIN LINK FENCE	
10	END TEMPORARY CONSTRUCTION FENCE AT EXISTING CHAIN LINK FENCE TO REMAIN.	
11	PERMEABLE PAVER PROTECTION – INSTALL NON-WOVEN FILTER FABRIC OVER INSTALLED PAVERS & SECURE EDGES TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING STORMWATER SYSTEM. REMOVE AFTER LANDSCAPING IS INSTALLED AND ADJACENT PAVEMENT IS CLEAN.	
12	CONSTRUCTION EXIT ONLY: PROVIDE SIGNAGE ON GATE	

PERMIT SEQUENCING NOTES

1. PRIOR TO MOBILIZING THE SITE AND THE ISSUANCE OF A GRADING PERMIT, THE CONTRACTOR SHALL FILE A NOTICE OF INTENT WITH THE KENTUCKY DIVISION OF WATER (SEE SPECIFICATION SECTION: STORM WATER POLLUTION PREVENTION PLAN), INSTALL THE CONSTRUCTION ENTRANCE AND SILT FENCE AS INDICATED ON THE PLANS AND REQUEST AN ON-SITE INSPECTION WITH THE MSD. THE NOTICE OF INTENT SHALL BE DELIVERED TO THE DIVISION OF ENGINEERING AND THE CARMAN OFFICE AT THE TIME OF THE ON-SITE MEETING.

2. ONCE THE GRADING PERMIT HAS BEEN ISSUED, THE CONTRACTOR SHALL BEGIN GRADING OF THE SITE AND THE INSTALLATION OF THE SECONDARY EROSION CONTROL MEASURES AS INDICATED ON THE PLANS.

MOBILIZATION NOTES

1. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS AND MUD WHICH WOULD CREATE A HAZARD TO THE PEDESTRIAN AND MOTORIST.
2. CONTRACTOR RESPONSIBLE FOR OBSERVATION OF SITE PRIOR TO BIDDING TO DETERMINE QUALITY, QUANTITY AND VALUE OF ITEMS TO BE DEMOLISHED AND REMOVED.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FULLY PROTECT ALL STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO DAMAGED STRUCTURES. THIS ALSO INCLUDES REPAIRS TO CITY STREETS.
4. CONTRACTOR SHALL MAINTAIN TEMP. 8' HT. CHAIN-LINK FENCING TO KEEP THE PUBLIC OUT OF THE CONSTRUCTION LIMITS DURING ALL PHASES OF THE PROJECT.

MSD STANDARD EPSC NOTES:

1. THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY MSD's PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC BMP's SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.
2. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED.
3. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.
4. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
5. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02.
6. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE OR CATCH BASIN.
7. WHERE CONSTRUCTION OR LAND DISTURBING ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICAL, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

EX. IMPERVIOUS AREA = 233,808 SF
PROPOSED IMPERVIOUS AREA = 190,357 SF
TOTAL AREA OF SITE = 261,795 SF

PHASE 1: SILT FENCE DATA

SILT FENCE	AREA (acres)	Q_{in} (cfs)	V_{ch}	P_{MAX} (inch)	SILT FENCE RATIO
SF1	1.83	5.77	0.0090	8775	0.069
SF2	0.59	0.59	0.0095	1780	0.035
SF3	0.85	2.67	0.0095	2100	0.133

PHASE 2: SILT FENCE DATA

SILT FENCE	AREA (acres)	Q_{in} (cfs)	V_{ch}	P_{MAX} (inch)	SILT FENCE RATIO
SF4	0.85	2.67	0.0095	2100	0.133
SF5	1.82	6.95	0.0090	3197	0.241

NOTE:
CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES PREVIOUSLY INSTALLED OR AS APPROVED BY MSD IN BID PACKAGE #1.

PURPOSE OF THESE DRAWINGS IS TO REFLECT ALL CHANGES AND CLARIFICATIONS MADE THRU PREVIOUSLY ISSUED ADDENDA. CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO IMPROVEMENTS REFLECTED IN THE CONTRACT BIDS AND SPECIFICATIONS.

FOR LOCATION OF UNDERGROUND UTILITIES, CALL B.U.D. 1-502-266-5123 (2) WORKING DAYS IN ADVANCE OF DIGGING

100 % CD's

Consolidated Addenda 3-11-12

University of Louisville - Student Recreational Facility (Bid Phase #4)

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Drawing Name / Description	EROSION CONTROL PLAN
U of L Project Number:	
A&E Project Number:	
Date:	JANUARY, 2012
Drawn By:	SDS
Checked By:	JLC / KLW

#	Revision	Date
1		
2		
3		
4		
5		
6		
7		
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SD-4.0