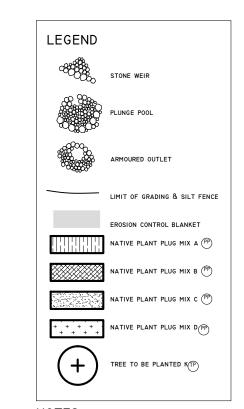


PLANTING SCHEDULE

	Planting Area in					
Plug Mix	S.F.	Botanical Name	Common Name	Size	Spacing	Quant
A		Iris virginica	Blue Flag Iris	native plug	24" o.c.	
		Anemone canadensis	Canada Anemone	native plug	24" o.c.	
		Carex vulpinoidea	Fox Sedge	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Echinacea purpurea	Purple Coneflower	native plug	24" o.c.	
		Vernonia fasciculata	Ironweed	native plug	24" o.c.	
		Panicum virgatum	Switchgrass	native plug	24" o.c.	
		Upland Areas - Berms				
	Planting Area in					
Plug Mix	S.F.	Botanical Name	Common Name	Size	Spacing	Quant
В		Sporobolus heterolepis	Prairie Dropseed	native plug	24" o.c.	
		Elymus canadensis	Canada Wild Rye	native plug	24" o.c.	
		Aquilegia canadensis	Wild Columbine	native plug	24" o.c.	
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Coreopsis lanceolata	Sand Coreopsis	native plug	24" o.c.	
		Asclepias tuberosa	Butterfly Milkweed	native plug	24" o.c.	
		Liatris aspera	Rough Blazing Star	native plug	24" o.c.	
		Potentilla simplex	Common Cinquefoil	native plug	24" o.c.	
		Solidago rigida	Stiff Goldenrod	native plug	24" o.c.	
		Solidago speciosa	Showy Goldenrod	native plug	24" o.c.	
		Verbena stricta	Hoary Vervain	native plug	24" o.c.	
		Vernonia missurica	Ironweed	native plug	24" o.c.	
		Carya ovata	Shagbark Hickory	native plug	24" o.c.	
		Bottom - Wet				
	Planting					
ni	Area in					
Plug Mix	S.F.	Botanical Name	Common Name	Size	Spacing	Quant
С		Deschampsia caespitosa	Tufted Hair Grass	native plug	24" o.c.	
		Iris virginica	Blue Flag Iris	native plug	24" o.c.	
		Carex vulpinoidea	Fox Sedge	native plug	24" o.c.	
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Helenium autumnale	Sneezeweed	native plug	24" o.c.	
		Hibiscus moscheutos	Rose Mallow	native plug	24" o.c.	
		Physostegia virginiana	Obedient Plant	native plug	24" o.c.	
		Zizia aurea	Golden Alexanders	native plug	24" o.c.	
		Echinacea purpurea	Purple Coneflower	native plug	24" o.c.	
		Panicum virgatum	Switchgrass	native plug	24" o.c.	
		Aster novae angliae	New England Aster	native plug	24" o.c.	
		Andropogon gerardii	Big Bluestem	native plug	24" o.c.	
		Sorghastrum nutans	Indian Grass	native plug	24" o.c.	
			1			
		Sides - Moist				
	Planting Area in					
Plug Mix	S.F.	Botanical Name	Common Name	Size	Spacing	Quan
D		Aster laevis	Smooth Blue Aster	native plug	24" o.c.	1
		Allium cernuum	Nodding Wild Onion	native plug	24" o.c.	
		Baptisia australis	Blue Wild Indigo	native plug	24" o.c.	1
		Coriopsis tripteris	Tall Tickseed	native plug	24" o.c.	_
		Anemone canadensis	Canada Anemone	native plug	24" o.c.	
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Helenium autumnale	Sneezeweed	native plug	24" o.c.	
		Rudbeckia hirta	Black-Eyed Susan	native plug	24" o.c.	
		Rudbeckia trilobum	Brown-Eyed Susan	native plug	24" o.c.	
		Zizia aurea	Golden Alexanders	native plug	24" o.c.	
		Symphyotricum novae	New England Aster			
				native plug	24" o.c.	1
		angliae				1
		Andropogon gerardii Sorghastrum nutans	Big Bluestem	native plug	24" o.c. 24" o.c.	



NOTES

I. SEED AND RESTORE ALL DISTURBED AREAS.



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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

SCALE PLAN: T'=10"

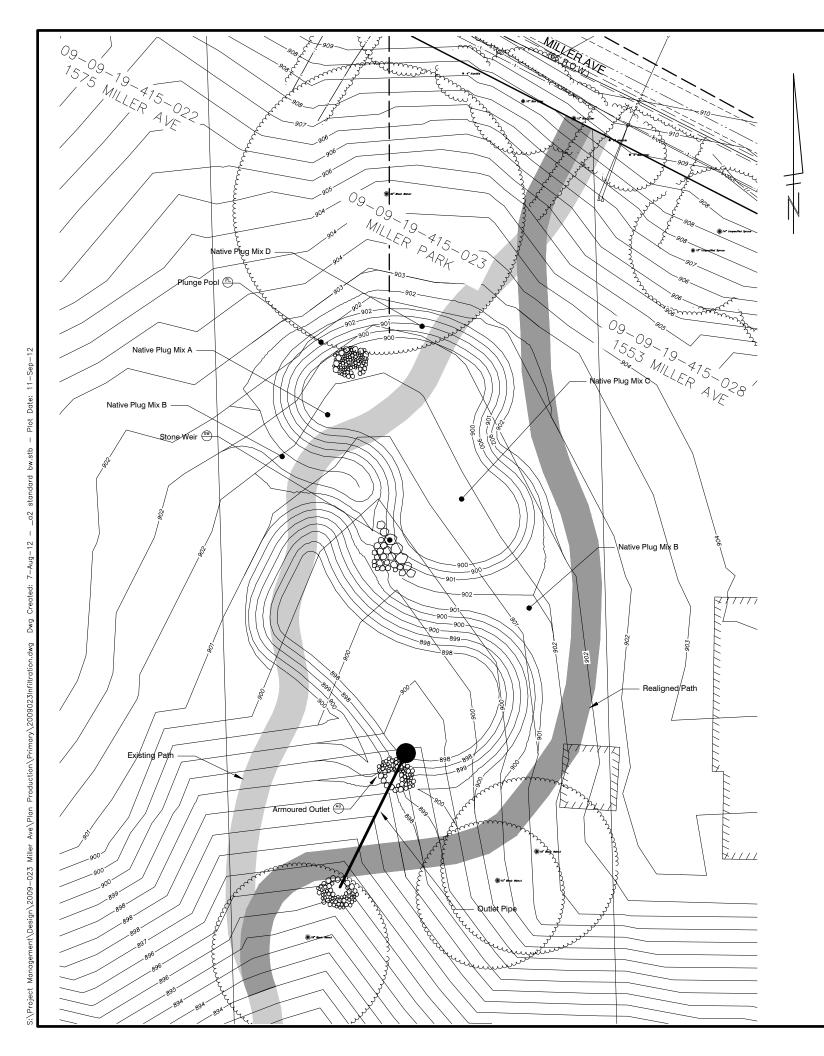
MILLER AVENUE IMPROVEMENTS

MILLER PARK

MILLER PARK

2009023 - 91

BIO RETENTION PLANTING PLAN



SOIL EROSION CONTROL NOTES

GENERAL

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AT ALL TIMES DURING CONSTRUCTION ON THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR DIRECTED BY THE OWNER, PROJECT ENGINEER, OR THE CITY OF ANN ARBOR.

- 2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CHAPTER 63, AND THE LAWS OF THE STATE OF MICHIGAN.
- 3. DAILY OR AFTER STORM EVENT INSPECTIONS SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE OWNER/PROJECT ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE OWNER
- 4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR WATERWAYS.
- 5 ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL EMPLOY A MECHANICAL STREET SWEEPER AT NO ADDITIONAL COST TO THE OWNER.
- 6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE DONE WITHIN 5 DAYS OF THE COMPLETION OF FINAL GRADE

7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION

8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

MEASURES ARE IN PLACE IMMEDIATELY

FOLLOWING BACKFILLING OPERATIONS.

- 9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR CHLORIDE AS REQUIRED.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME UPON AUTHORIZED COMPLETION OF THE PROJECT COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
- II THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING. EROSION AND SEDIMENTATION INTO
- 12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.
- SEQUENCE OF EROSION CONTROL MEASURES:
- I. INSTALL SILT FENCE, TREE PROTECTION FENCING AND INLET FILTERS ON EXISTING STORM INLETS PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 2. INSTALL INLET FILTERS IMMEDIATELY FOLLOWING INSTALLATION OF PROPOSED STORM

DRAINAGE SYSTEM

- CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT
- 4. STRIP AND CLEAR MAINTAIN EROSION CONTROL MEASURES AROUND TEMPORARY STOCK PILES.
- 6. INSTALL STORMWATER MANAGEMENT SYSTEM.
- SEED AND INSTALL EROSION CONTROL BLANKET IN ALL BIORETENTION PONDING ZONES
- REFER TO PLANTING PLAN FOR PERMANENT SITE STABILIZATION : PLUG THROUGH EROSION CONTROL
- 9. CONNECT STORMWATER
- ENSURE ALL SOIL IS STABILIZED. REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES

TEMPORARY SEEDING:

- I. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
- 2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

DURING CONSTRUCTION, ALL ROADS SHALL BE PROTECTED FROM UNVEGETATED AREAS WASHING ONTO ROAD SURFACE BY PLACEMENT OF SILT FENCE BEHIND CURB OR A 10 FOOT WIDE STRAW MULCH BANK BEHIND CURB OR OTHER APPROVED METHOD AND/OR AS SHOWN ON THE PLANS.

2. DURING CONSTRUCTION OF ANY PORTION OF THE PROJECT, ROADS SHALL BE MAINTAINED FREE OF DIRT SILT AND CONSTRUCTION DEBRIS.

CATCH BASIN/MANHOLE PROTECTION: PROTECT STORM SEWER CATCH BASINS WITH APPROVED INLET FILTERS.

LEGEND



EXISTING TREE TO TRANSPLANT





PLUNGE POOL



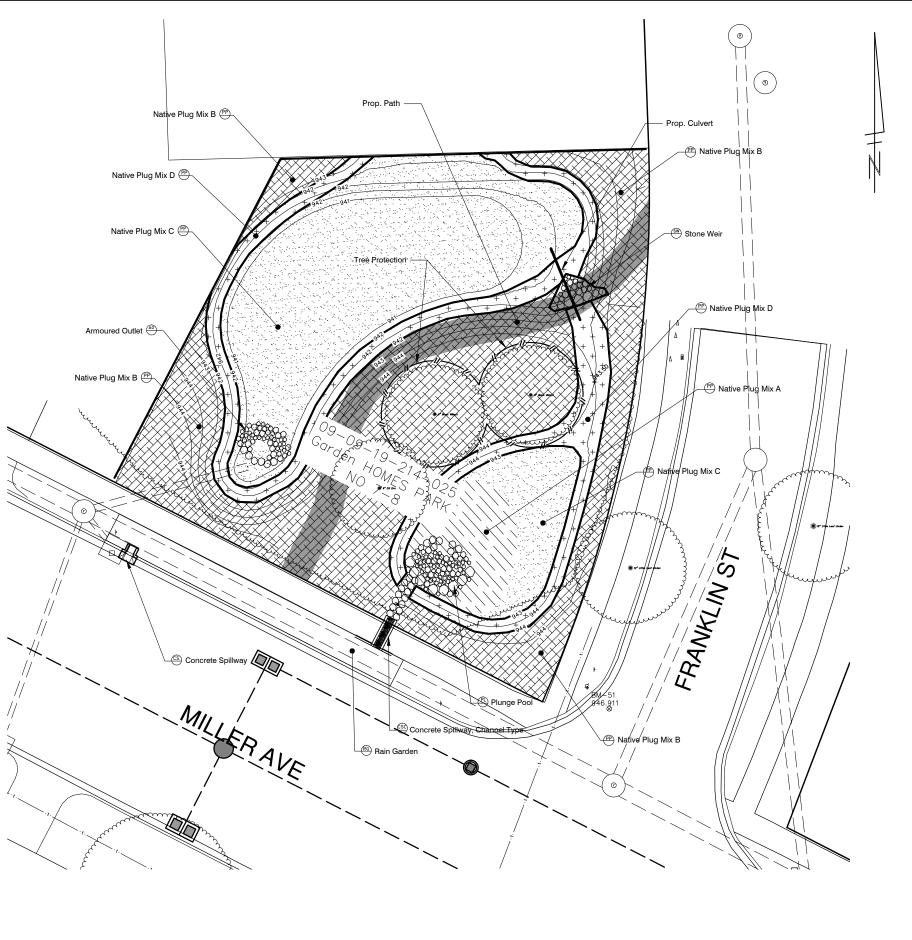
ARMOURED OUTLET

LIMIT OF GRADING & SILT FENCE

> EROSION CONTROL BLANKET



IC SERVICES - CITY OF ANN ARBOR MILLER AVENUE IMPROVEMENTS MILLER PARK



PLANTING SCHEDULE

	Planting	Inlet - Wet				+
Plug Mix	Area in S.F.	Botanical Name	Common Name	Size	Spacing	Quantity
A		Iris virginica	Blue Flag Iris	native plug	24" o.c.	
		Anemone canadensis	Canada Anemone	native plug	24" o.c.	
		Carex vulpinoidea	Fox Sedge	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Echinacea purpurea	Purple Coneflower	native plug	24" o.c.	
		Vernonia fasciculata	Ironweed	native plug	24" o.c.	
		Panicum virgatum	Switchgrass	native plug	24" o.c.	
	Planting Area in	Upland Areas - Berms				
Plug Mix	S.F.	Botanical Name	Common Name	Size	Spacing	Quantity
В		Sporobolus heterolepis	Prairie Dropseed	native plug	24" o.c.	
		Elymus canadensis	Canada Wild Rye	native plug	24" o.c.	
		Aquilegia canadensis	Wild Columbine	native plug	24" o.c.	
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Coreopsis lanceolata	Sand Coreopsis	native plug	24" o.c.	
		Asclepias tuberosa	Butterfly Milkweed	native plug	24" o.c.	
		Liatris aspera	Rough Blazing Star	native plug	24" o.c.	
		Potentilla simplex	Common Cinquefoil	native plug	24" o.c.	
		Solidago rigida	Stiff Goldenrod	native plug	24" o.c.	
		Solidago speciosa	Showy Goldenrod	native plug	24" o.c.	
		Verbena stricta	Hoary Vervain	native plug	24" o.c.	
		Vernonia missurica	Ironweed	native plug	24" o.c.	
		Carya ovata	Shagbark Hickory	native plug	24" o.c.	
		Bottom - Wet				
	Planting	DOLLOW WELL				
Plug Mix	Area in S.F.	Botanical Name	Common Name	Size	Spacing	Quantity
С		Deschampsia caespitosa	Tufted Hair Grass	native plug	24" o.c.	
		Iris virginica	Blue Flag Iris	native plug	24" o.c.	
		Carex vulpinoidea	Fox Sedge	native plug	24" o.c.	
		Carex Muskingumensis	Muskingum Sedge		24" o.c.	
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Helenium autumnale	Sneezeweed	native plug	24" o.c.	
		Hibiscus moscheutos	Rose Mallow	native plug	24" o.c.	
		Physostegia virginiana	Obedient Plant	native plug	24" o.c.	
		Zizia aurea	Golden Alexanders	native plug	24" o.c.	
		Echinacea purpurea	Purple Coneflower	native plug	24" o.c.	
		Panicum virgatum	Switchgrass	native plug	24" o.c.	1
		Aster novae angliae	New England Aster	native plug	24" o.c.	
		Andropogon gerardii	Big Bluestem	native plug	24" o.c.	
		Sorghastrum nutans	Indian Grass	native plug	24" o.c.	
		Cidas Mais*	-	1		+
	Planting	Sides - Moist				+
Plug Mix	Area in S.F.	Botanical Name	Common Name	Size	Spacing	Quantity
D	5	Aster laevis	Smooth Blue Aster	native plug	24" o.c.	
		Allium cernuum	Nodding Wild Onion	native plug	24" o.c.	
		Baptisia australis	Blue Wild Indigo	native plug	24" o.c.	
		Coriopsis tripteris	Tall Tickseed	native plug	24" o.c.	
	_	Anemone canadensis	Canada Anemone	native plug	24" o.c.	+
		Fragaria virginiana	Wild Strawberry	native plug	24" o.c.	
		Eupatorium perfoliatum	Boneset	native plug	24" o.c.	
		Helenium autumnale	Sneezeweed	native plug	24" o.c.	
		Rudbeckia hirta	Black-Eyed Susan	native plug	24" o.c.	
		Rudbeckia trilobum	Brown-Eyed Susan	native plug	24" o.c.	
		Zizia aurea	Golden Alexanders	native plug	24" o.c.	
		Symphyotricum novae angliae	New England Aster	native plug	24" o.c.	
		Andropogon gerardii	Big Bluestem	native plug	24" o.c.	

LEGEND







ARMOURED OUTLET



LIMIT OF GRADING & SILT FENCE



EROSION CONTROL BLANKET NATIVE PLANT PLUG MIX A PP



NATIVE PLANT PLUG MIX B



NATIVE PLANT PLUG MIX C NATIVE PLANT PLUG MIX D



TREE TO BE PLANTED K



I. SEED AND RESTORE ALL DISTURBED AREAS.





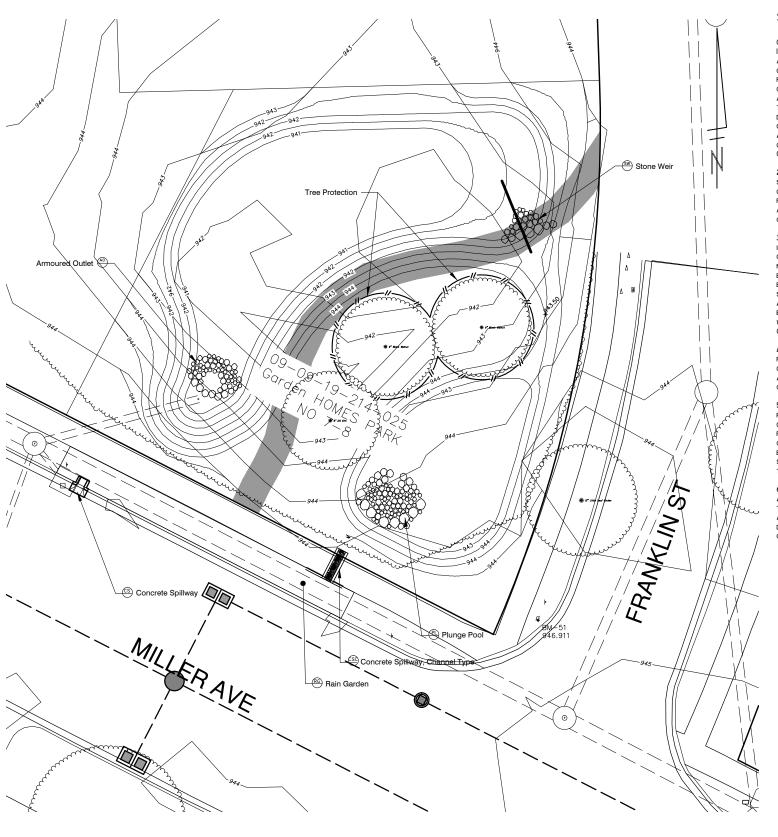
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

MILLER AVENUE IMPROVEMENTS

MILLER AVENUE IMPROVEMENTS

GARDEN HOMES PARK

BIO RETENTION PLANTING PLAN



SOIL EROSION CONTROL NOTES

GENERAL

I. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AT ALL TIMES DURING CONSTRUCTION ON THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR DIRECTED BY THE OWNER, PROJECT ENGINEER, OR THE

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- 4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR WATERWAYS
- 5 ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL EMPLOY A MECHANICAL STREET SWEEPER AT NO ADDITIONAL COST TO THE OWNER.
- 6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE DONE WITHIN 5 DAYS OF THE COMPLETION OF FINAL GRADE

- 7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION
- CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
- 8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION
- EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- 9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR CHLORIDE AS REQUIRED.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL FROSION CONTROL MEASURES AND REMOVAL OF SOME UPON AUTHORIZED COMPLETION OF THE PROJECT. COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
- II THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING. EROSION AND SEDIMENTATION INTO
- 12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.
- SEQUENCE OF EROSION CONTROL MEASURES:
- I. INSTALL SILT FENCE, TREE PROTECTION FENCING AND INLET FILTERS ON EXISTING STORM INLETS PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 2. INSTALL INLET FILTERS IMMEDIATELY FOLLOWING INSTALLATION OF PROPOSED STORM

DRAINAGE SYSTEM.

- 3. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT.
- 4. STRIP AND CLEAR MAINTAIN EROSION CONTROL MEASURES AROUND TEMPORARY STOCK PILES.
- 6. INSTALL STORMWATER MANAGEMENT SYSTEM.
- 7. SEED AND INSTALL EROSION CONTROL BLANKET IN ALL BIORETENTION PONDING ZONES.
- 8. REFER TO PLANTING PLAN FOR PERMANENT SITE STABILIZATION : PLUG THROUGH EROSION CONTROL
- 9. CONNECT STORMWATER MANAGEMENT SYSTEM.
- 9. ENSURE ALL SOIL IS STABILIZED. REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES

TEMPORARY SEEDING:

- I. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
- 2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS

 DURING CONSTRUCTION, ALL ROADS SHALL BE PROTECTED FROM UNVEGETATED AREAS WASHING ONTO ROAD SURFACE BY PLACEMENT OF SILT FENCE BEHIND CURB OR A 10 FOOT WIDE STRAW MULCH BANK BEHIND CURB OR OTHER APPROVED METHOD AND/OR AS SHOWN ON THE PLANS.

2. DURING CONSTRUCTION OF ANY PORTION OF THE PROJECT, ROADS SHALL BE MAINTAINED FREE OF DIRT. SILT AND CONSTRUCTION DEBRIS.

CATCH BASIN/MANHOLE

PROTECTION: I. PROTECT STORM SEWER CATCH BASINS WITH APPROVED INLET FILTERS.

LEGEND



EXISTING TREE TO TRANSPLANT



STONE WEIR



PLUNGE POOL



ARMOURED OUTLET

LIMIT OF GRADING & SILT FENCE

EROSION CONTROL



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR