ONONDAGA COUNTY GREEN INFRASTRUCTURE PROGRAM
TASK ORDER # 2
COMFORT-TYLER PARK ENHANCEMENTS (CSO 077)
FINAL DESIGN SUBMITTAL
FOR COUNTY OF ONONDAGA DEPARTMENT OF WATER ENVIRONMENT PROTECTION (OCDWEP)
OCDWEP COMMISSIONER: TOM RHOADS

DRAWING INDEX

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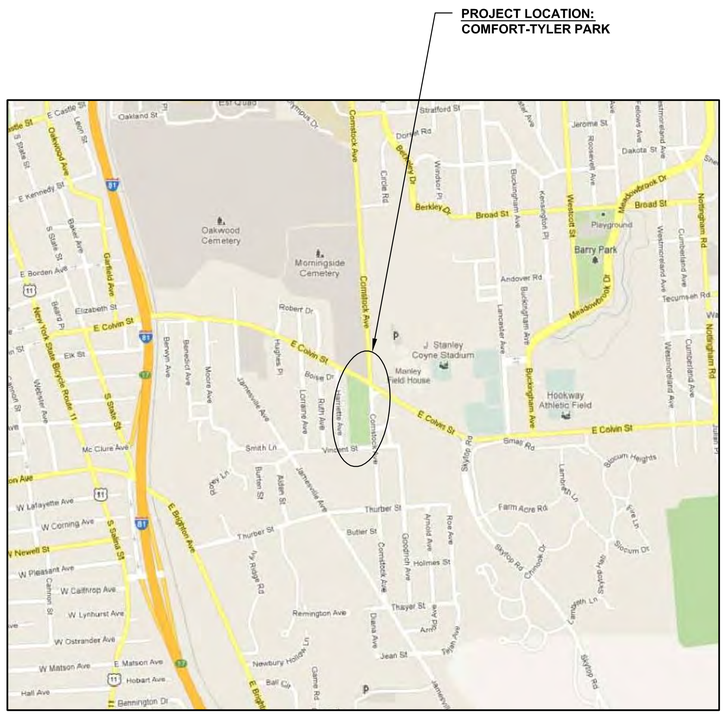

LOCATION MAP
NOT TO SCALE

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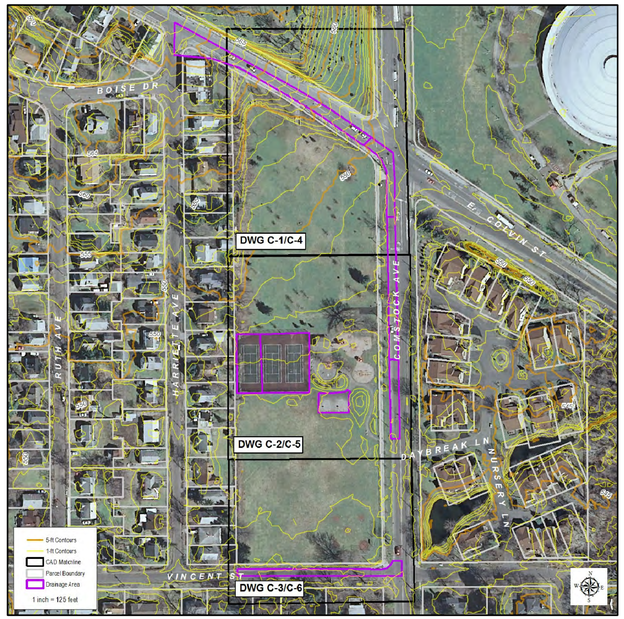

DRAINAGE AREA MAP

N

APPROVED:_____
OCDWEP COMMISSIONER :
TOM RHOADS

DATE:_____

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ONONDAGA COUNTY SEAL

Save the Rain...

JOANNE M. MAHONEY
ONONDAGA COUNTY EXECUTIVE

STATE OF NEW YORK
MATTHEW JOHN MARKO
78325
LICENSED PROFESSIONAL ENGINEER

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		C EIGHMEY	T WEINSTEIN	A POTTS		M MARKO	

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GENERAL
COVER SHEET

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	G-1
SHEET	1 OF 14

ABBREVIATIONS

CB	CATCH BASIN
CONC	CONCRETE
DIA	DIAMETER
DND	DO NOT DISTURB
DP	DEEP PLUGS
DWG	DRAWING
EL	ELEVATION
EXST	EXISTING
FT	FOOT, FEET
FH	FIRE HYDRANT
G	NATURAL GAS
HDPE	HIGH-DENSITY POLYETHYLENE
HT	HEIGHT
INVT	INVERT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
No.	NUMBER
NTS	NOT TO SCALE
NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
O.C.	ON CENTER
PVC	POLYVINYL CHLORIDE
R/W	RIGHT-OF-WAY
R&R	REMOVE AND REPLACE
RCP	REINFORCED CONCRETE PIPE
R.O.C.	RUN-OF-CRUSHER
SAN	SANITARY
ST	STORM DRAIN
TC	TOP OF CASTING
TOC	TOP OF CURB
TYP	TYPICAL
UG	UNDERGROUND
VERT	VERTICAL
W	POTABLE WATER

PLAN LEGEND

- EXISTING TO BE REMOVED
- EXCAVATION TO BE DONE BY HAND OR PNUEMATICALLY
- MILLED AND REPAVED PAVEMENT
- STANDARD ASPHALT ROAD RESTORATION
- SPRAY FOUNTAIN AREA
- POROUS ASPHALT
- ASPHALT PATH RESTRORATION
- PRECAST POROUS CONCRETE
- CONCRETE SIDEWALK
- SOD TURF
- SOLID HDPE PIPE
- PERF HDPE PIPE
- EXISTING FENCING TO BE REMOVED

SURVEY NOTES:

1. THIS TOPOGRAPHIC SURVEY WAS PREPARED BY FISHER ASSOCIATES (ROCHESTER, NY) ON MARCH 15, 2012 AND UPDATED ON AUGUST 2, 2012.
2. COORDINATES AND NORTH ORIENTATION SHOWN HEREON ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83/96 USING GPS PROCEDURES AND THE NEW YORK STATE DOT CORS NETWORK.
3. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 USING GPS PROCEDURES.
4. UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS, VISIBLE AT THE TIME OF SURVEY, AND UTILITY COMPANY RECORD DRAWINGS. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOULD BE STAKED BY THE RESPECTIVE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.
5. THE LOCATIONS OF STREET RIGHT-OF-WAY LINES ARE APPROXIMATE AND WERE PLOTTED FOR GRAPHICAL REPRESENTATION ONLY USING TAX MAP INFORMATION AND THE CITY OF SYRACUSE RIGHT-OF-WAY PLAT MAPS. NO TITLE DOCUMENTS WERE PROVIDED OR REVIEWED AT THE TIME OF THIS SURVEY.
6. CITY OF SYRACUSE MONUMENTS SHALL NOT BE DISTURBED OR DESTROYED. IF THERE IS A CONFLICT OR A SURVEY MONUMENT IS WITHIN FIVE FEET OF CONSTRUCTION THE CITY OF SYRACUSE, DEPARTMENT OF ENGINEERING MUST BE CONTACTED AT (315)-448-8207 BEFORE ANY DEMOLITION OR CONSTRUCTION BEGINS.

GENERAL NOTES:

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

GENERAL CONSTRUCTION NOTES:

1. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
2. PROVIDE TEMPORARY FENCING AND ADEQUATE SIGNAGE TO MAINTAIN SECURITY AT ALL TIMES PER GENERAL SPECIFICATION S-041.
3. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
4. UNLESS SHOWN ON THE LANDSCAPING PLANS, ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE SHALL BE COVERED WITH GRASS.
5. PROVIDE EROSION AND SEDIMENT CONTROL MEASURES WHERE AND WHEN APPROPRIATE AS PER THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AUGUST 2005, OR LATEST EDITION). PROTECT EXISTING SITE FEATURES UNLESS OTHERWISE NOTED. CONSULT ENGINEER PRIOR TO BIORETENTION, BIOSWALE, POROUS ASPHALT AND POROUS CONCRETE INSTALLATION.
6. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE. CONTRACTOR TO SUBMIT EROSION CONTROL PLAN.
7. EROSION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
8. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
9. UNTIL THE SITE IS STABILIZED, ALL EROSION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING AND RE-NETTING, MUST BE PERFORMED IMMEDIATELY. IF EROSION CONTROLS FAIL TO PERFORM AS EXPECTED, REPLACEMENT CONTROLS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
10. PROTECT BIORETENTION, BIOSWALE, POROUS ASPHALT AND POROUS CONCRETE SUBGRADE FROM SEDIMENT DEPOSITION AND/OR COMPACTION DURING CONSTRUCTION. DO NOT ALLOW CONSTRUCTION VEHICLES TO TREAD ON THE BIORETENTION, BIOSWALE, POROUS ASHALT AND POROUS CONCRETE SUBGRADE.
11. CONTRACTOR SHALL FOLLOW BIORETENTION, POROUS ASPHALT AND POROUS CONCRETE DRAINAGE CONTROL REQUIREMENTS AS SPECIFIED BY ENGINEER.
12. CONTRACTOR SHALL PROTECT POROUS CONCRETE AND POROUS ASPHALT SURFACE FROM SEDIMENT AND SEDIMENT LADEN RUNOFF BY WHATEVER MEANS NECESSARY. SHOULD THE POROUS CONCRETE AND POROUS ASPHALT SURFACE BE SUBJECT TO SEDIMENTATION THE CONTRACTOR SHALL CLEAN AND RESTORE THE AFFECTED AREA. IF RESTORATION EFFORTS FAIL,THE CONTRACTOR SHALL REPLACE THE CLOGGED AREA AT NO ADDITIONAL COST TO THE OWNER.
13. NOTIFY DIG SAFELY NEW YORK (811) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
14. AGGREGATE FOR STORMWATER BEDS AND TRENCHES SHALL BE CLEAN-WASHED PRIOR TO PLACEMENT.
15. MAINTAIN LOOSE AND UNDISTURBED STORMWATER INFILTRATION BED SUBGRADE. SCARIFY TOP 6 INCHES. DO NOT ALLOW CONSTRUCTION EQUIPMENT ON TRENCH BOTTOM SURFACE.
16. VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.
17. PROTECT EXISTING TREES DURING CONSTRUCTION.
18. WHEN ENCOUNTERED WITHIN THE REQUIRED STORMWATER FACILITY EXCAVATION, CONTRACTOR SHALL WRAP EXISTING UTILITIES WITH 40 MIL GEOMEMBRANE SHEETING AND SECURE WITH PVC TAPE AT 2'-0" O.C (MAX) OVERLAP SHEETING BY 2'-0" (MIN). EXTEND SHEETING A MINIMUM OF 1/4 OF THE PIPE CIRCUMFERENCE AND ENSURE OVERLAP RUNS ALONG THE CROWN OF PIPE. SLEEVES AND CASTINGS SHALL BE DRY AND MOISTURE FREE BEFORE SEALING.
19. INSTALL TWO-PIECE HDPE ANTI-SEEP COLLAR BY LANE ENTERPRISES, OR APPROVED EQUAL. INSTALL COLLAR ON THE INDICATED SOLID HDPE PIPES APPROXIMATELY 1' FROM EDGE OF THE INFILTRATION BED OR BIORETENTION.
20. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD). TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY OF SYRACUSE PRIOR TO THE COMMENCEMENT OF ALL CONSTRUCTION ACTIVITIES. ALL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED FOR THE DURATION OF THE WORK.
21. CONTRACTOR SHALL NOTIFY CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF CONNECTION TO COMBINED SEWER MAINS. CONNECTION MUST BE MADE BY A LICENSED PLUMBER.
22. CONTRACTOR SHALL NOTIFY CITY OF SYRACUSE DEPARTMENT OF WATER AT LEAST 24 HOURS IN ADVANCE OF STARTING ANY WORK.
23. AT CLOSE OF PROJECT, CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL STRUCTURES USING A NYS LICENSED SURVEYOR. INVERT ELEVATIONS SHALL BE PROVIDED ON RECORD DRAWINGS.
24. AT CLOSE OF PROJECT, CONTRACTOR SHALL VACUUM STRUCTURES CONNECTED TO WITHIN THE PROJECT.

DRAINAGE STRUCTURE TABLE:

NEW STRUCTURES										
STRUCTURE #	RIM EL	INVT N	INVT NE	INVT S	INVT SE	INVT E	INVT W	WEIR EL (LOCATION)	SUMP EL	NOTES
CB#1	547.50	542.50	-	542.50	-	542.50	-	546.34 (E)	541.00	24" PVC W/LOCKABLE DOMED GRATE, FILTER BASKET, H-20 LOADING
CB#2	547.50	542.50	-	-	-	544.55	-	-	541.00	12" PVC W/ DOMED TOP AND FILTER BASKET
CB#3	547.50	-	-	-	-	-	545.00	-	543.00	NYSDOT TYPE A CATCH BASIN, BAG STYLE FILTER BASKET
CB#4	545.30	-	-	540.00	-	540.00	-	-	538.50	12" PVC W/GRATED TOP AND FILTER BASKET
CB#5	545.22	540.00	-	-	540.00	-	-	544.50 (SE)	538.50	24" PVC W/GRATED TOP, WEIR AND FILTER BASKET
CB#6	545.60	-	-	-	543.00	-	540.00	-	538.50	12" PVC W/GRATED TOP AND FILTER BASKET
CB#7	545.50	-	-	542.00	-	542.00	542.00	544.50 (E)	540.50	30" PVC W/GRATED TOP, WEIR AND FILTER BASKET
CB#10	546.00	543.75	-	-	-	-	-	-	541.75	CITY TYPE A CATCH BASIN, BAG STYLE FILTER BASKET
MH#3	549.50	547.75	-	547.75	-	-	-	-	544.75	48" PRECAST CONCRETE WITH POLYETHYLENE HOOD
MH#4	546.50	-	-	-	537.00	-	537.47	-	535.50	24" PVC W/SOLID COVER AND POLYETHYLENE HOOD
MH#5	545.11	542.11	-	540.11	-	-	541.50	-	538.11	30" PVC W/SOLID COVER, H-20 LOADING, POLYETHYLENE HOOD

SECTION / DETAIL DESIGNATIONS

ON DRAWING WHERE SECTION VIEW, OR DETAIL IS TAKEN:

PROFILE, SECTION (LETTER) OR DETAIL (NUMBER) DESIGNATION — A / C-1 — DRAWING NUMBER WHERE PROFILE, SECTION (LETTER) OR DETAIL (NUMBER) IS SHOWN

A / C-X — PROFILE / SECTION — SCALE — ON DRAWING WHERE SECTION IS SHOWN

DRAWING NUMBER WHERE PROFILE, SECTION (LETTER) OR DETAIL (NUMBER) IS FIRST REFERENCED.

1 / C-X — DETAIL — SCALE — ON DRAWING WHERE DETAIL IS SHOWN

DRAWING TITLE — SCALE — ON DRAWING WHERE ONLY A TITLE IS REQUIRED WITH NO REFERENCE (e.g. PLANS, ELEVATIONS)

A / C-1 — SECTION CALLOUT WHERE SECTION CUT IS LESS THAN OR EQUAL TO 3"

B / C-1 — SECTION CALLOUT WHERE SECTION CUT IS GREATER THAN 3"

1 — KEY NOTE

N — NORTH ARROW

PLANT TAG LEGEND

X — PLANT QUANTITY

XX — PLANT SPECIES ABBREVIATION

DRAWING NUMBER DESIGNATIONS

C - 4 — DRAWING DISCIPLINE — DRAWING NUMBER

DISCIPLINE LIST:

C	CIVIL
G	GENERAL
L	LANDSCAPING

STATE OF NEW YORK — MATTHEW JOHAN MARKO — 78325 — LICENSED PROFESSIONAL ENGINEER

NO.	DATE	DSGN
		APVD
		BY
	REVISION	CHK
		DR

M MARKO — A POTTS — T WEINSTEIN — C EIGHMEY

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GENERAL

ABBREVIATIONS, LEGEND, AND NOTES

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	JULY 2013
PROJ	381098
DWG	G-2
SHEET	2 OF 14

FILENAME: M43-G-002_381098.dwg PLOT DATE: 7/30/2013 7:46 AM

GENERAL CONSTRUCTION NOTES

1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIPLINES OF EXISTING TREES. (TU.11) DAMAGE TO TREES SHALL BE AT CONTRACTORS EXPENSE. INSTALL TREE PROTECTION FENCE.
4. ALL EXISTING PAVEMENT IN AREA DENOTED SHALL BE REMOVED.
5. CONSTRUCTION SITE ACCESS LOCATIONS TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE START OF WORK. ACCESS TO AND FROM THE SITE SHALL BE CONSTRUCTED PER DETAIL. (TU.15)

KEY NOTES

(1) CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.

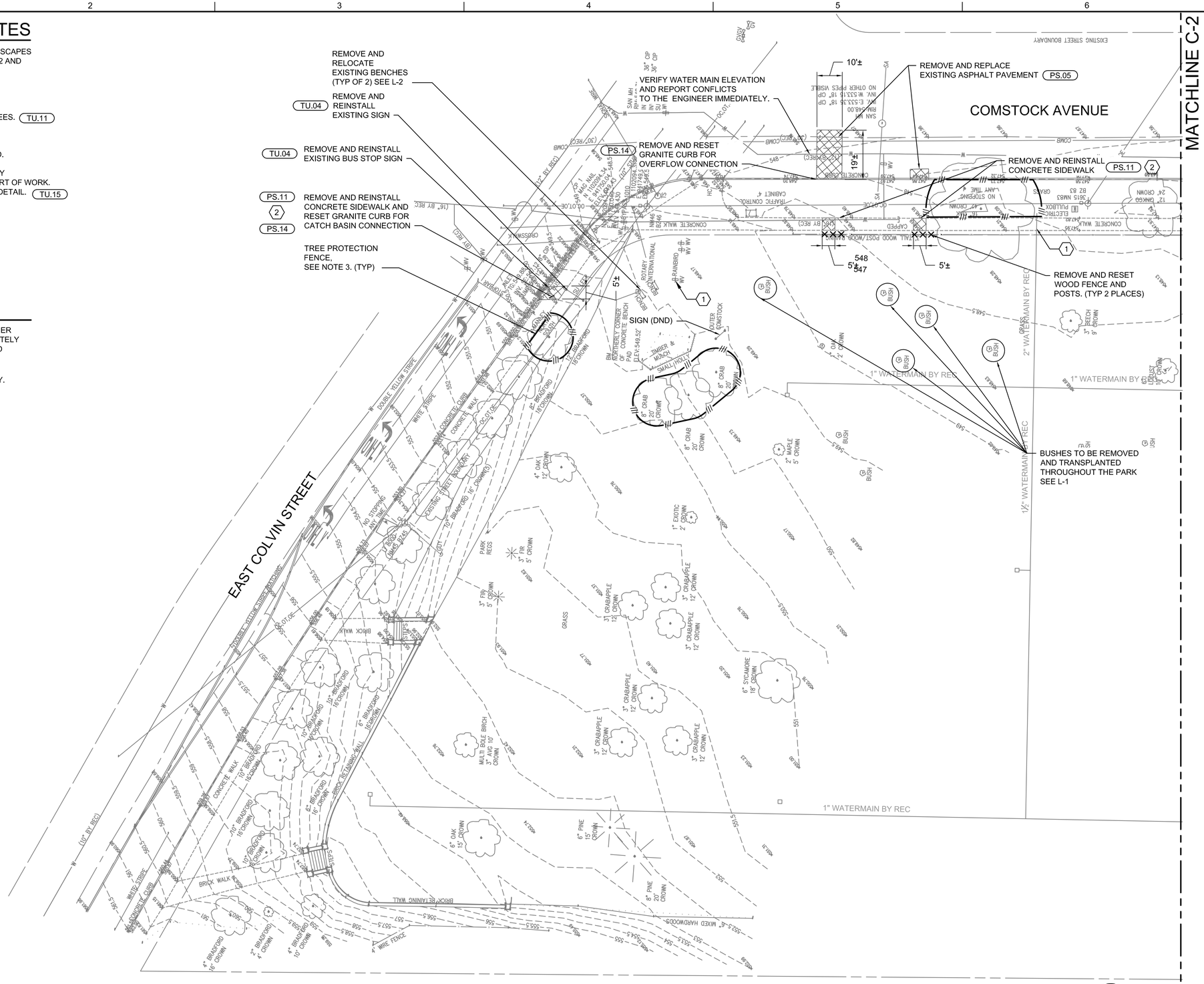
(2) SIDEWALK PANELS SHALL BE REPLACED IN FULL PANELS ONLY.

LEGEND

EXISTING TO BE REMOVED

EXISTING FENCING TO BE REMOVED

TREE PROTECTION



STATE OF NEW YORK
MATTHEW JOHN MARKO
76325
LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY	APVD
DSGN	C EIGHMEY	DR T LUEHRS / CHK A POTTS	M MARKO	APVD

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CIVIL
EXISTING CONDITIONS/
DEMOLITION SITE PLAN - NORTH

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VERIFY SCALE
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0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-1
SHEET	3 OF 14

GENERAL CONSTRUCTION NOTES

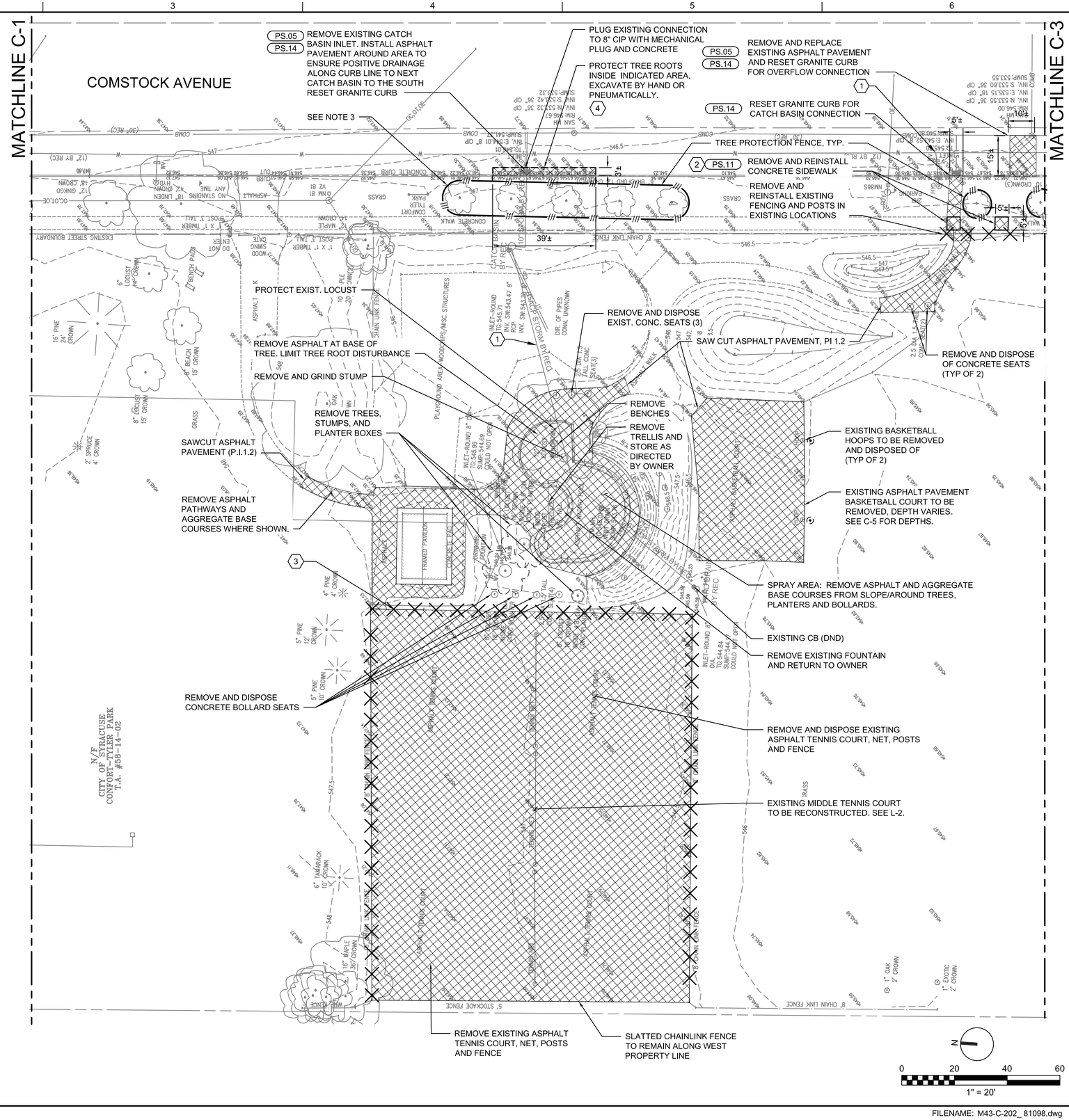
1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIPLINES OF EXISTING TREES. DAMAGE TO TREES SHALL BE AT CONTRACTORS EXPENSE. INSTALL TREE PROTECTION. (TU.11)
4. ALL EXISTING PAVEMENT IN AREA DENOTED SHALL BE REMOVED.
5. CONSTRUCTION SITE LOCATIONS TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE START OF WORK. ACCESS TO AND FROM THE SITE SHALL BE CONSTRUCTED PER DETAIL (TU.15)

KEY NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.
2. SIDEWALK PANELS SHALL BE REPLACED IN FULL PANELS ONLY.
3. CONTRACTOR SHALL REMOVE FENCING IN INDICATED AREAS.
4. AREA AROUND TREES SHALL BE AIR SPADED AND ROOT SYSTEM PRUNED UNDER THE DIRECTION OF AN ARBORIST PRIOR TO EXCAVATION. AIR SPADING EXCAVATION SHALL BE UTILIZED

LEGEND

- EXISTING TO BE REMOVED
- EXCAVATION TO BE DONE BY HAND OR PNUEMATICALLY
- EXISTING FENCING TO BE REMOVED
- TREE PROTECTION



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CIVIL
EXISTING CONDITIONS/
DEMOLITION SITE PLAN - MIDDLE

NO.	DATE	REVISION	BY	APVD
DSGN	C EIGHMEY	DR T WEINSTEIN	CHK A POTTS	APVD M MARKO

VERIFY SCALE

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0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-2
SHEET	4 OF 14

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GENERAL CONSTRUCTION NOTES

1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIPLINES OF EXISTING TREES. DAMAGE TO TREES SHALL BE AT CONTRACTORS EXPENSE. INSTALL TREE PROTECTION FENCE. (TU.11)
4. ALL EXISTING PAVEMENT IN AREA DENOTED SHALL BE REMOVED.
5. CONSTRUCTION ACCESS LOCATIONS TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE START OF WORK. ACCESS TO AND FROM THE SITE SHALL BE CONSTRUCTED PER DETAIL (TU.15)

KEY NOTES

(1) CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.

(2) AREA AROUND TREES SHALL BE AIR SPADED AND ROOT SYSTEM PRUNED UNDER THE DIRECTION OF NYS LICENSED ARBORIST PRIOR TO EXCAVATION. NO ROOTS OVER 1.5" DIAMETER SHALL BE CUT OR DAMAGED.

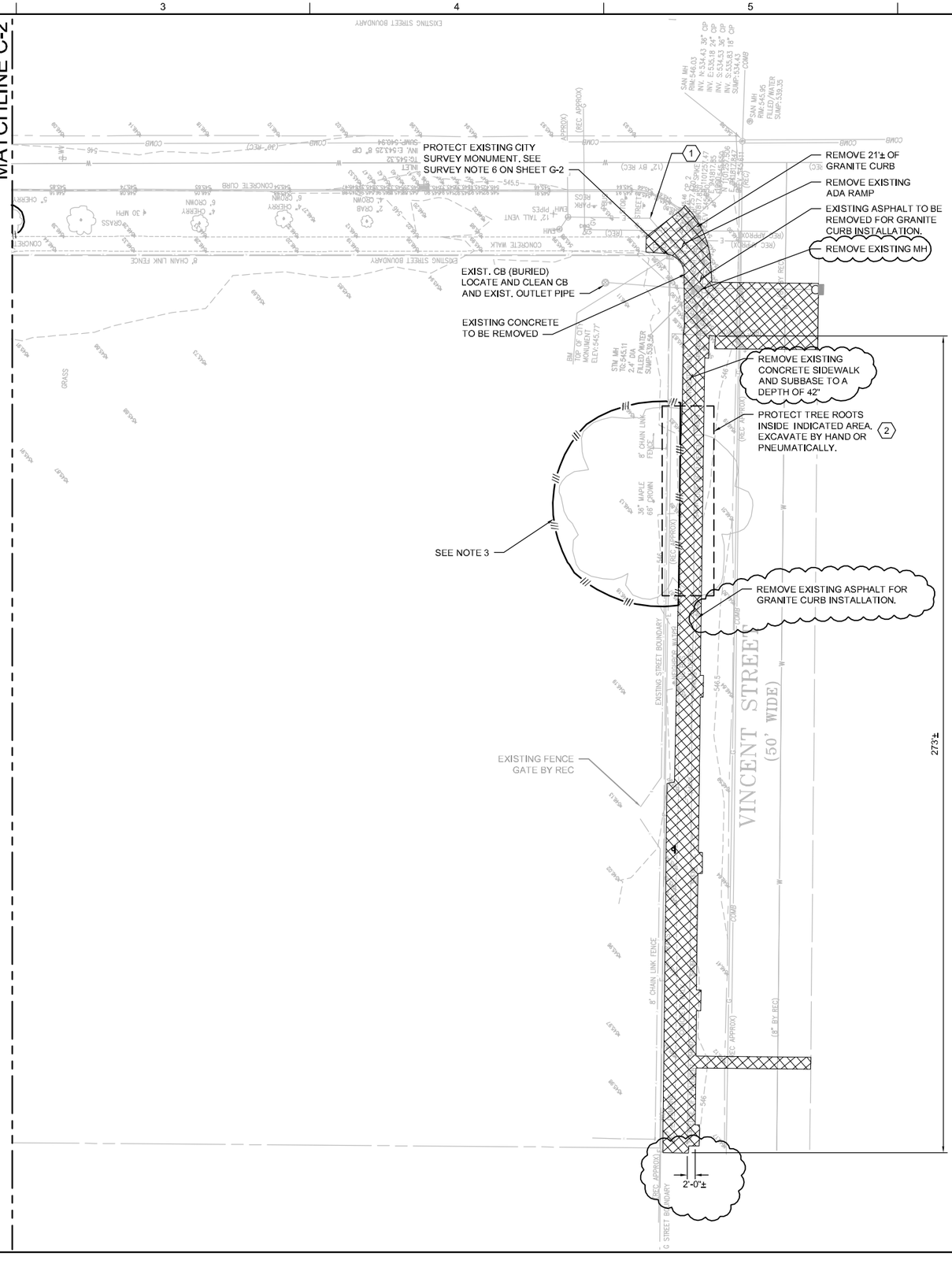
LEGEND

EXISTING TO BE REMOVED

EXCAVATION TO BE DONE BY HAND OR PNEUMATICALLY

TREE PROTECTION

MATCHLINE C-2



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CIVIL
EXISTING CONDITIONS/
DEMOLITION SITE PLAN - SOUTH

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		C EIGHMEY	T WEINSTEIN	A POTTS		M MARKO	

REVISION

VERIFY SCALE

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DATE	JULY 2013
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DWG	C-3
SHEET	5 OF 14

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GENERAL CONSTRUCTION NOTES

1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROTECT BIORETENTION, SUBGRADE FROM SEDIMENT DEPOSITION AND/OR COMPACTION DURING DEMOLITION OR CONSTRUCTION. DO NOT ALLOW CONSTRUCTION VEHICLES TO TREAD ON THE BIORETENTION AREA AND INFILTRATION BED SUBGRADE.
4. CONTRACTOR SHALL FOLLOW BIORETENTION, DRAINAGE CONTROL REQUIREMENTS AS SPECIFIED BY ENGINEER.
5. FOR PLANTING INFORMATION, SEE L-1.
6. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES. DAMAGE TO TREES SHALL BE AT THE CONTRACTORS EXPENSE. INSTALL TREE PROTECTION FENCE. (TU.11)

PROPOSED LEGEND

- SOLID HDPE PIPE
- PERF HDPE PIPE
- TREE PROTECTION
- STANDARD ASPHALT ROAD RESTORATION
- CONCRETE SIDEWALK RESTORATION

KEY NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WATERLINE CROSSING.
2. ENCASE PIPE IN CONCRETE IN ACCORDANCE WITH THE CITY OF SYRACUSE WATER DEPARTMENT STANDARDS.
3. TYPICAL SIDEWALK RESTORATION REPLACE FULL PANELS ONLY. SEE DETAIL (PS.11)

TT.11 PIPE OUTLET INV EL ± 547.50

DR.13 10" Ø SOLID HDPE @ ± 0.65% SLOPE S ± 38 LF

MH-3, 48" PRECAST CONC. MANHOLE WITH FRAME, AND SOLID COVER POLYETHYLENE HOOD RIM EL ±549.50±, INV EL(N,S) ±547.75±, SUMP EL ±544.75±.

DR.13 10" Ø SOLID HDPE @ ± 0.65% SLOPE S ± 38 LF

CB-8, CONNECT NEW 10" Ø SOLID HDPE; BULKHEAD EXISTING 8" CIP OUTLET WITH MECHANICAL PLUG AND CONCRETE. EXISTING CATCH BASIN SHALL BE VACUUMED PRIOR TO CONNECTING TO RAIN GARDEN. RIM EL 549.90±, INV (S) 548.00±, SUMP EL 545.12±.

2 ENCASE PIPE IN CONCRETE

PS.05 ASPHALT ROAD RESTORATION

DR.13 12" Ø SOLID HDPE PIPE @ 19%± EAST SLOPE, 37± LF

TRAP AND CLEANOUT

DR.16 INSTALL ANTI-SEEP COLLAR

DR.13 12" Ø SOLID HDPE PIPE @ 19%± EAST SLOPE, 19± LF

CONNECT NEW 12" Ø PIPE TO EXISTING COMBINED SEWER @ INV 533.00±. CONTRACTOR TO VERIFY IN FIELD. DR.18

CB-3, INSTALL NEW CITY OF SYRACUSE STANDARD TYPE A CATCH BASIN W/ BAG STYLE FILTER BASKET RIM EL 547.50±, INV EL (W) 545.00±, SUMP EL 543.00±. DR.04

ASPHALT ROAD RESTORATION PS.05

8" Ø SOLID HDPE PIPE @ 1% SLOPE W ± 45 LF DR.13

SEE NOTE 6. (TYP)

548.50

548.75

INSTALL 1'-0" SQUARE BLOCKS AROUND PERIMETER. BLOCKS SHALL BE INSTALLED WITH 0" REVEAL. BLOCKS SHALL BE CUT TO PROVIDE A BUTT-TIGHT JOINT BETWEEN BLOCKS. SEE A/C-8 FOR ROOT BARRIER.

CB-2, 12" Ø PVC DOMED CATCH BASIN WITH FILTER BASKET. RIM EL 547.50±, INV EL (N) 542.50±, INV EL (E) ±544.55, SUMP EL 541.00±. DR.01

8" Ø PERF HDPE @ 0% SLOPE 36± LF

CB-1, 24" Ø PVC CATCH BASIN WITH LOCKABLE DOMED GRATE AND FILTER BASKET RIM EL 547.50±, INV EL (N) 542.50±, INV EL (S) 542.50±, INV EL (E) 542.50±, WEIR EL (E) 546.34±, SUMP EL 541.00±. DR.03

8" Ø PERF HDPE @ 0% SLOPE 22± LF

BOTTOM OF SUBSURFACE STORAGE = 542.00±.

BOTTOM SURFACE GRADE = 547.00±.

RAIN GARDEN W/ SUBSURFACE AGGREGATE BED SEE SHEET C-8

6" Ø CLEANOUT DR.14

SEE NOTE 6

MATCHLINE C-5

COMSTOCK AVENUE

EAST COLVIN STREET

0 20 40 60

1" = 20'

N

NO.	DATE	DSGN	BY	APVD
		C EIGHMEY	M MARKO	
		DR	APVD	
		T WEINSTEIN	CHK	A POTTS
		REVISION		

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STATE OF NEW YORK MATTHEW JOHN MARKO 78325 LICENSED PROFESSIONAL ENGINEER

CH2MHILL
430 GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

M43
COMFORT-TYLER PARK
SYRACUSE, NY
ONONDAGA COUNTY, NY 13202

CIVIL
SITE PLAN - NORTH

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ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-4
SHEET	6 OF 14

FILENAME: M43-C-204_381098.dwg PLOT DATE: 7/30/2013 8:31 AM

GENERAL CONSTRUCTION NOTES

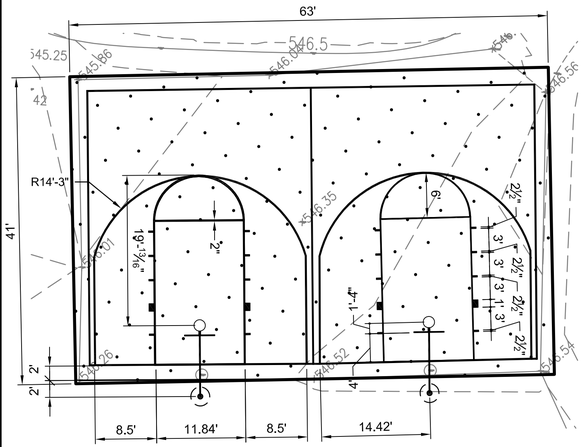
1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROTECT BIORETENTION, POROUS ASPHALT AND POROUS CONCRETE SUBGRADE FROM SEDIMENT DEPOSITION AND/OR COMPACTION DURING DEMOLITION OR CONSTRUCTION. DO NOT ALLOW CONSTRUCTION VEHICLES TO TREAD ON THE RAIN GARDEN AND INFILTRATION BED SUBGRADE.
4. CONTRACTOR SHALL FOLLOW BIORETENTION, POROUS ASPHALT AND POROUS CONCRETE, AND DRAINAGE CONTROL REQUIREMENTS AS SPECIFIED BY ENGINEER.
5. FOR PLANTING INFORMATION, SEE LANDSCAPING PLAN.
6. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES. DAMAGE TO TREES SHALL BE AT THE CONTRACTORS EXPENSE. INSTALL TREE PROTECTION FENCE. (TU.11)

PROPOSED LEGEND

- SOLID HDPE PIPE
- PERF HDPE PIPE
- TREE PROTECTION
- STANDARD ASPHALT ROAD RESTORATION
- ASPHALT PATH RESTRORATION
- SPRAY FOUNTAIN AREA
- CONCRETE SIDEWALK RESTORATION
- POROUS ASPHALT

KEY NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.
2. TYPICAL SIDEWALK RESTORATION. REPLACE FULL PANELS ONLY. SEE DETAIL (PS.11)
3. ENCASE PIPE IN CONCRETE IN ACCORDANCE WITH THE CITY OF SYRACUSE WATER DEPARTMENT STANDARDS.

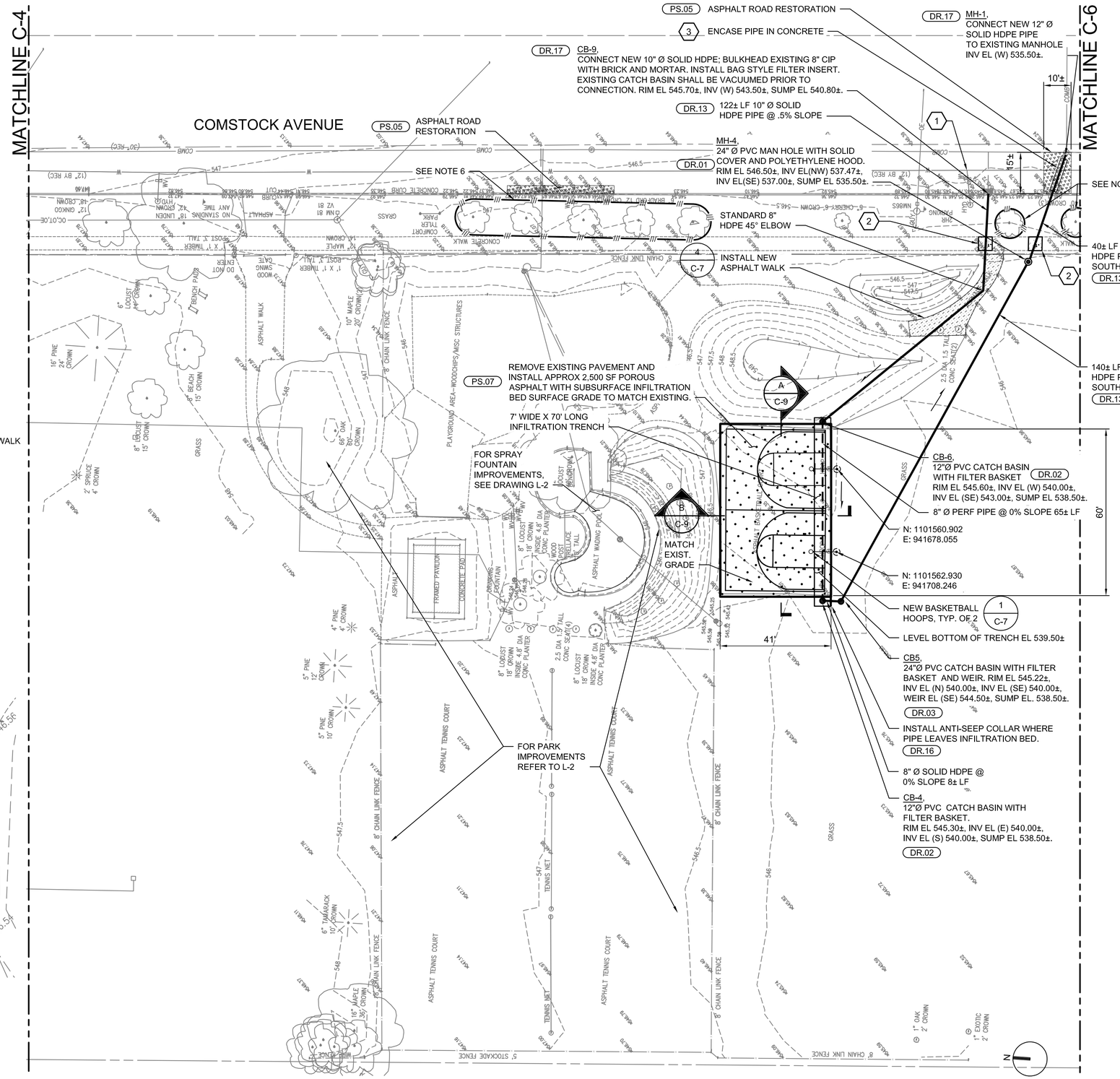


COURT STRIPING PLAN

1" = 10'-0"

NOTES:

1. CONTRACTOR SHALL COORDINATE COURTS 4 KIDS LOGO STRIPING WITH THE ENGINEER.
2. COURT STRIPER SHALL BE QUALIFIED FOR STRIPING BASKETBALL COURTS. PROVIDE NAME AND CONTACT INFORMATION FOR 5 PREVIOUS PROJECTS OF THIS TYPE FOR THE ENGINEER'S REVIEW. NO STRIPING SHALL OCCUR WITHOUT THE ENGINEERS PRESENCE OR APPROVAL.



STATE OF NEW YORK
MATTHEW JOHN MARKO
78325
LICENSED PROFESSIONAL ENGINEER

NO.	DATE	DSGN	REVISION	CHK	BY	APVD
		C EIGHMEY	T WEINSTEIN	A POTTS	M MARKO	APVD

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CIVIL

SITE PLAN - MIDDLE

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ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-5
SHEET	7 OF 14

FILENAME: M43-C-205_381098.dwg PLOT DATE: 7/30/2013 8:30 AM

GENERAL CONSTRUCTION NOTES

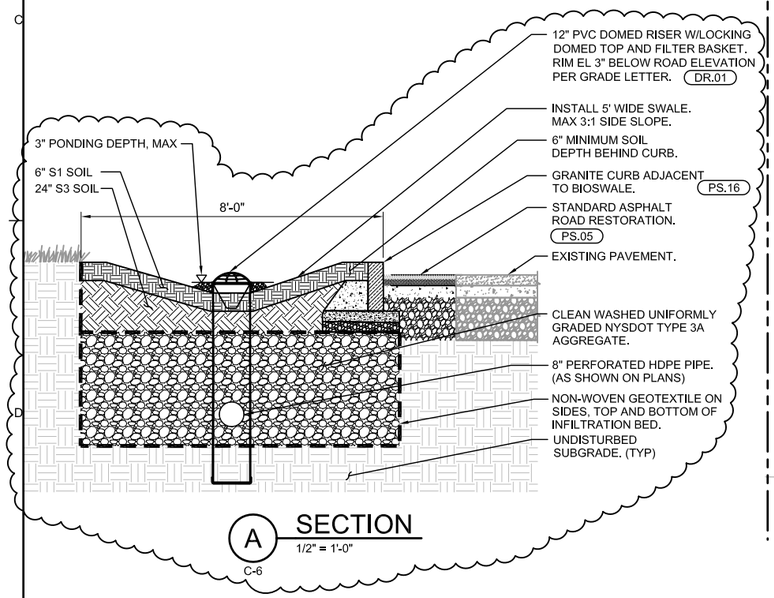
1. GROUND ELEVATIONS AND LOCATIONS OF SURFACES AND LANDSCAPES BASED ON THE FISHER ASSOCIATES SURVEY DATED MARCH 2012 AND UPDATED AUGUST 2, 2012.
2. RESTORE EXISTING GRADES UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROTECT BIORETENTION, POROUS ASPHALT AND POROUS CONCRETE SUBGRADE FROM SEDIMENT DEPOSITION AND/OR COMPACTION DURING DEMOLITION OR CONSTRUCTION. DO NOT ALLOW CONSTRUCTION VEHICLES TO TREAD ON THE RAIN GARDEN AND INFILTRATION BED SUBGRADE.
4. CONTRACTOR SHALL FOLLOW BIORETENTION, POROUS ASPHALT AND POROUS CONCRETE, AND DRAINAGE CONTROL REQUIREMENTS AS SPECIFIED BY ENGINEER.
5. FOR PLANTING INFORMATION, SEE L-1.
6. PROTECT ALL REMAINING EXISTING TREES. NO CONSTRUCTION EQUIPMENT PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES. (TU.11) DAMAGE TO TREES SHALL BE AT THE CONTRACTORS EXPENSE.
7. GRADE LETTER FOR VINCENT STREET TO BE PROVIDED BY THE CITY OF SYRACUSE.

PROPOSED LEGEND

- SOLID HDPE PIPE
- PERF HDPE PIPE
- PERF HDPE PIPE
- STANDARD ASPHALT ROAD RESTORATION
- CONCRETE SIDEWALK
- POROUS ASPHALT

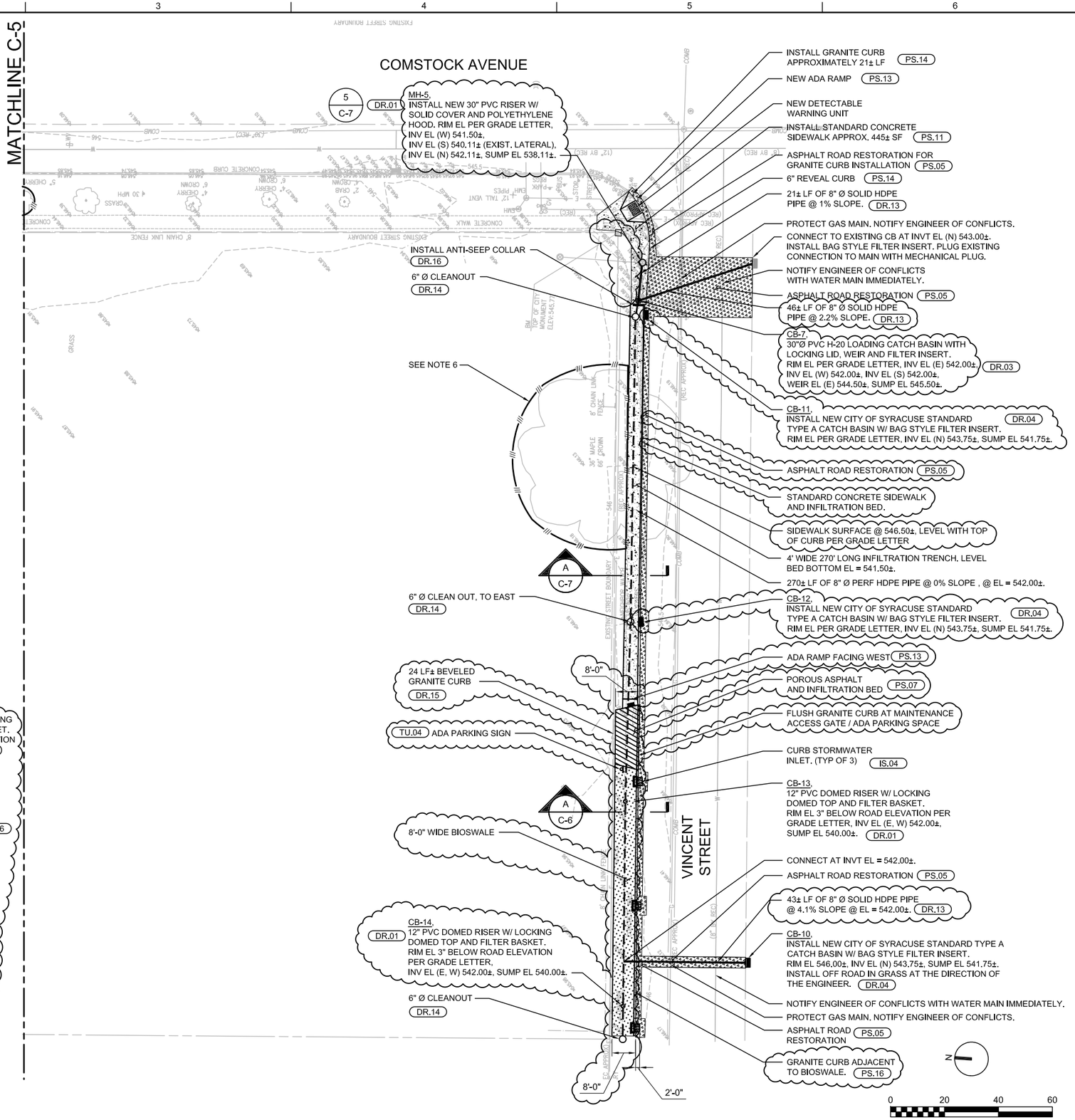
KEY NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO THE START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.
2. CONTRACTOR SHALL INSTALL NON-WOVEN GEOTEXTILE IN ALL AREAS WHERE POROUS CONCRETE MEET STANDARD PAVEMENT/ SIDEWALK.



A SECTION
1/2" = 1'-0"
C-6

MATCHLINE C-5



430 GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

M43
COMFORT-TYLER PARK
SYRACUSE, NY
ONONDAGA COUNTY, NY 13202

CIVIL
SITE PLAN - SOUTH

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		C EIGHMEY	T WEINSTEIN	A POTTS	APVD	M MARKO	

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-6
SHEET	8 OF 14

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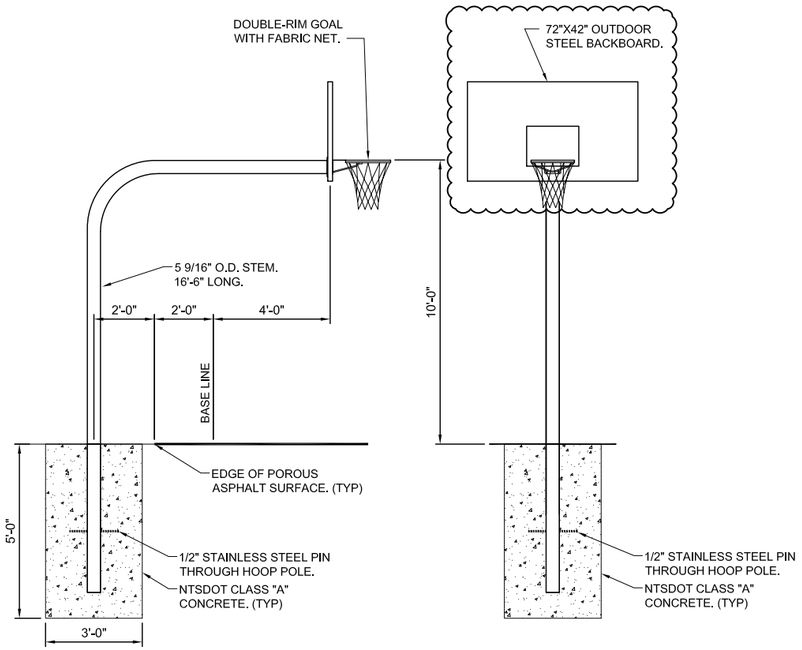


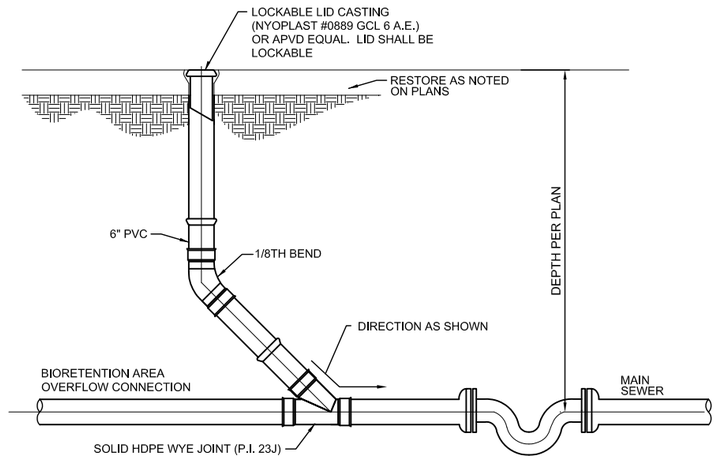
NOTES:

1. SPALDING OUTDOOR STEEL BASKETBALL BACKBOARD OR APPROVED EQUAL.
2. RIM SHALL BE SPALDING SLAMMER FLEX BASKET BALL RIM - UNIVERSAL MOUNT OR APPROVED EQUAL.

1 BASKETBALL POLE AND BACKSTOP

NTS

C-5



NOTES:

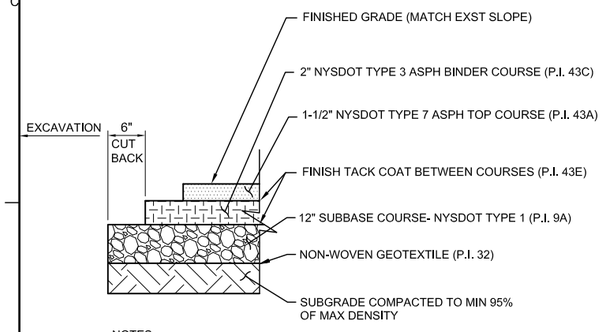
1. ALL CONSTRUCTION SHALL BE PER CITY OF SYRACUSE STANDARDS

2 SEWER LATERAL TRAP AND CLEANOUT

NTS

3 UNUSED

NTS

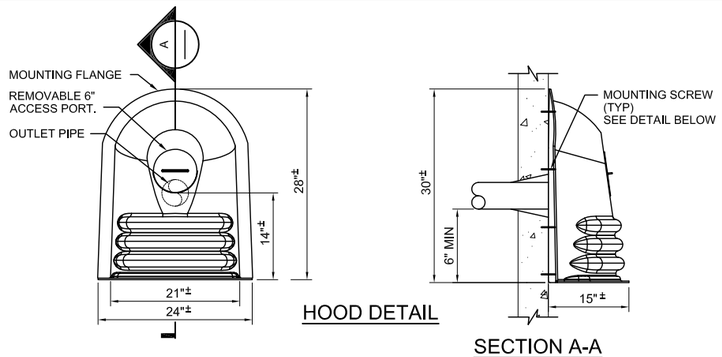


NOTES:

1. EXISTING PAVEMENT IS TO BE SAWCUT FULL DEPTH TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING. SAWCUT IS TO BE MADE AFTER BACKFILLING THE EXCAVATION OF NEW PAVEMENT SECTION.

4 TYPICAL SECTION ASPHALT WALKWAY PAVEMENT

NTS



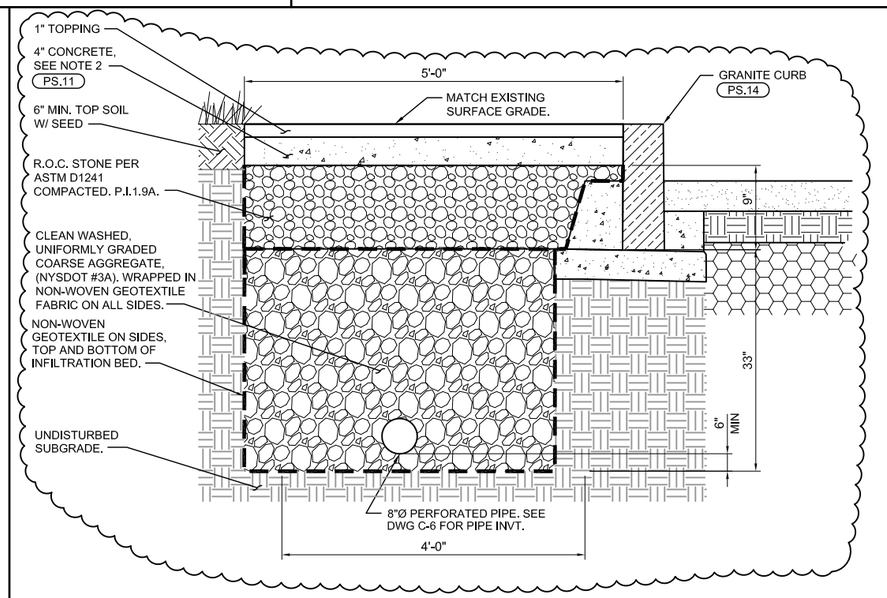
NOTES:

1. PIPE CONFIGURATIONS VARY, SEE PLANS.
2. HOOD SHALL BE SECURELY ATTACHED TO THE STRUCTURE WALL USING THE HARDWARE PROVIDED BY THE MANUFACTURER.

5 HOOD

NTS

C-2



A SECTION

NTS

C-6

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430 GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

M43
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SYRACUSE, NY
ONONDAGA COUNTY, NY 13202

CIVIL

DETAILS / SECTIONS

NO.	DATE	DESCRIPTION	DR	CHK	APVD
DSGN	C EIGHMEY	REVISION	T WEINSTEIN	A POTTS	APVD
APVR	BY	N			
APVD	M MARKO				

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-7
SHEET	9 OF 14

ISSUED FOR CONSTRUCTION

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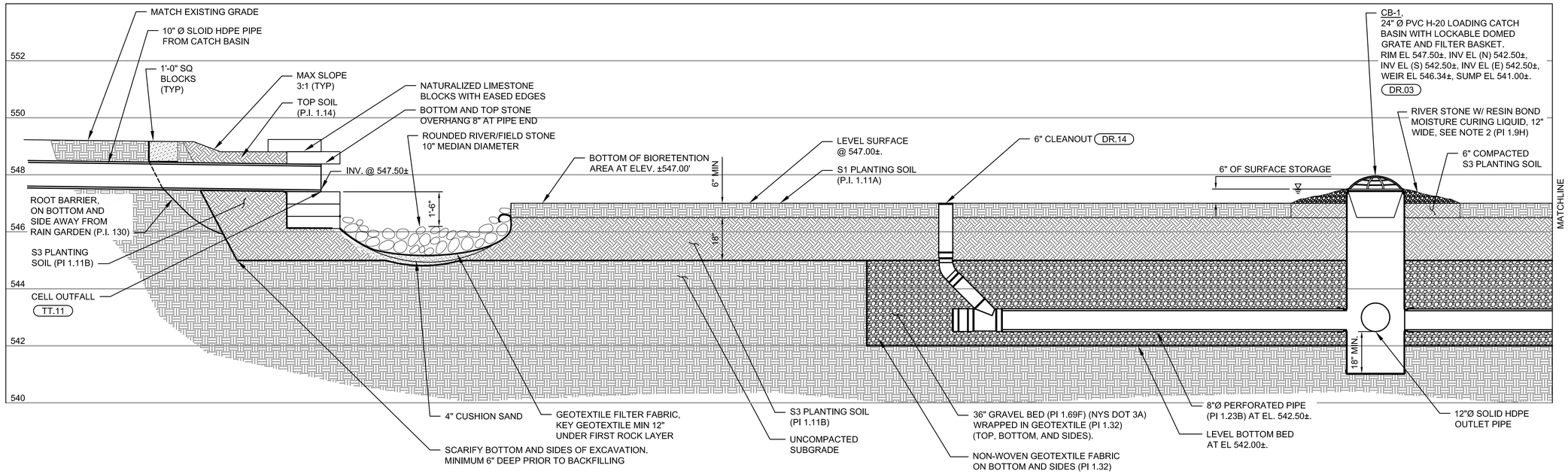

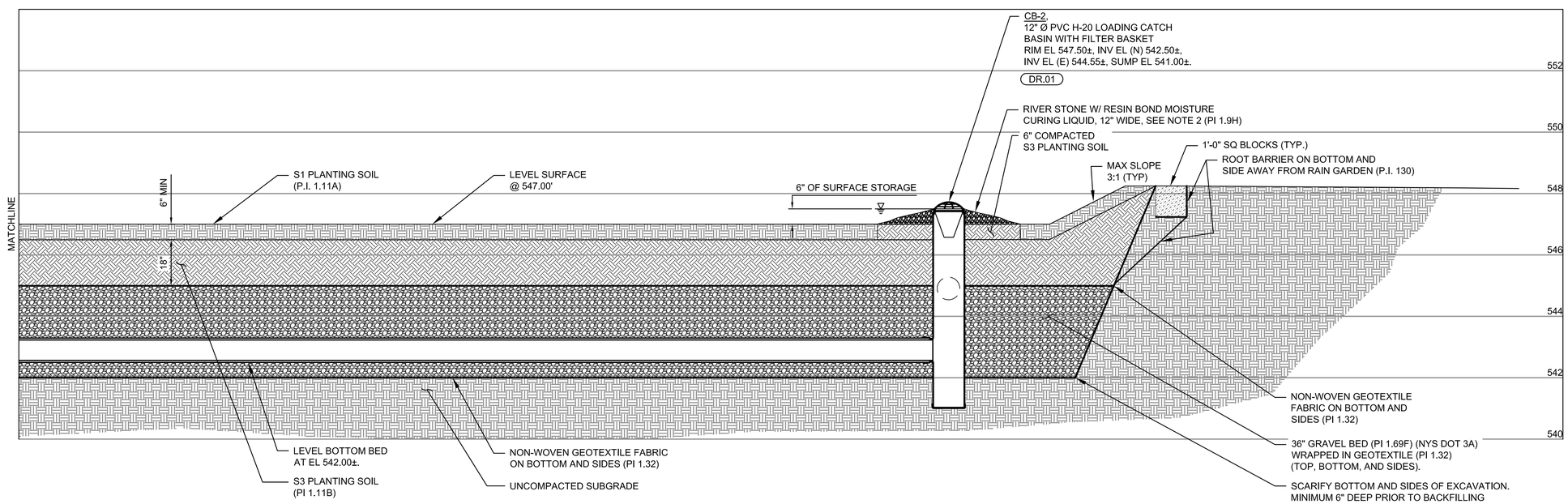

NOTES:

1. FOR PLANTING INFORMATION SEE L-1 FOR PLANTING PLAN.
2. RESIN BOUND MOISTURE CURING LIQUID SHALL BE CLEAR GRAVEL LOK BY CELL-TEK GEOSYNTHETICS, OR APPROVED EQUAL.
3. CONTRACTOR SHALL GROUT BETWEEN SPLASH PADS IMMEDIATELY FOLLOWING THE OUTFALL DISCHARGE.

A C-4 RAIN GARDEN SECTION

1" = 2'-0"

STATE OF NEW YORK MATTHEW JOHAN MARKO LICENSED PROFESSIONAL ENGINEER 78325

NO.	DATE	DR	CHK	APVD	BY	REVISION
DSGN	C EIGHMEY	T WEINSTEIN	A POTTS	APVD	M MARKO	

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SECTIONS

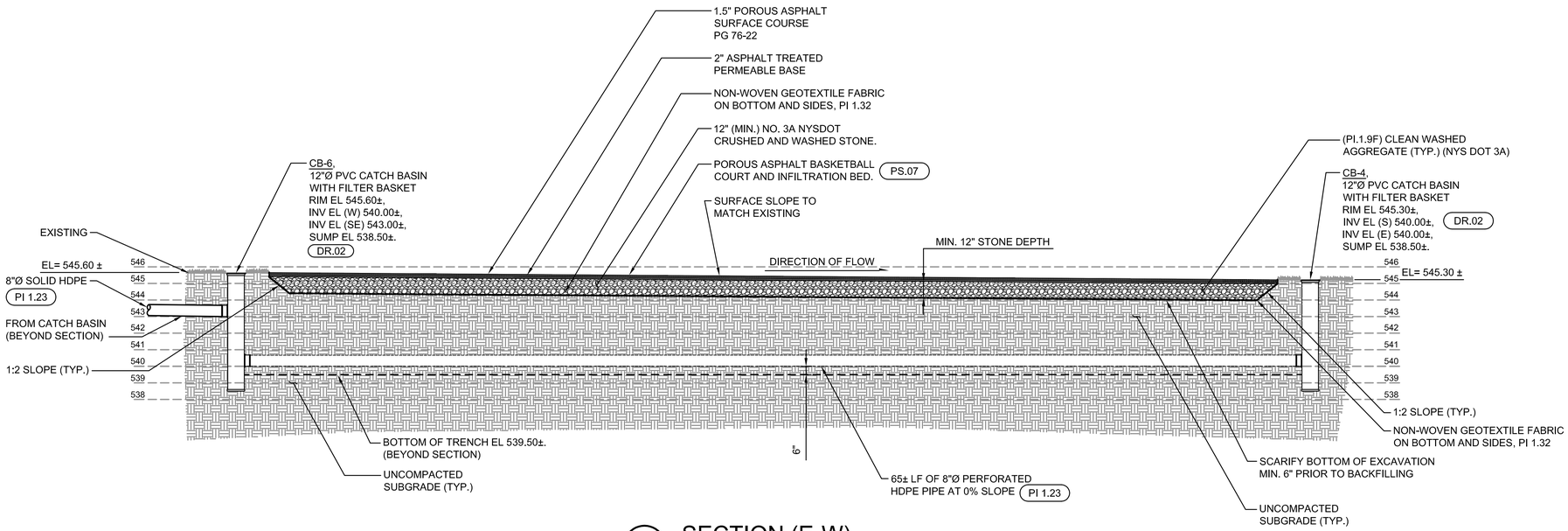
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-8
SHEET	10 OF 14

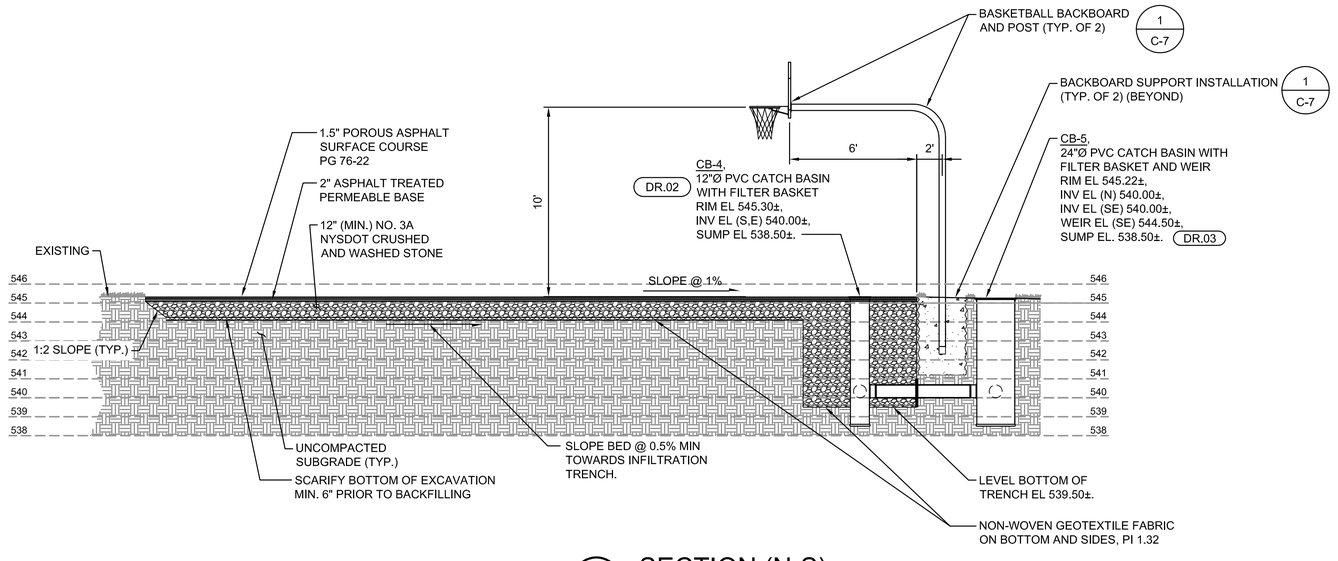
FILENAME: M43-C-208_381098.dwg PLOT DATE: 7/30/2013 8:34 AM



A SECTION (E-W)

1" = 4'-0"

C-5



B SECTION (N-S)

1" = 4'-0"

C-5

KEY NOTES:

1. EXISTING BASKETBALL COURT GRADE IS TO BE MATCHED IN NEW BASKETBALL COURT GRADE.
2. INSTALL ANTI-SEEP COLLAR BY LANE INDUSTRIES OR APPROVED EQUAL WHERE PERFORATED PIPE LEAVES INFILTRATION BED.

STATE OF NEW YORK
MATTHEW JOHN MARKO
LICENSED PROFESSIONAL ENGINEER
78325

NO.	DATE	DR	CHK	APVD	BY	REVISION
DSGN	C EIGHMEY	T WEINSTEIN	A POTTS	APVD	M MARKO	

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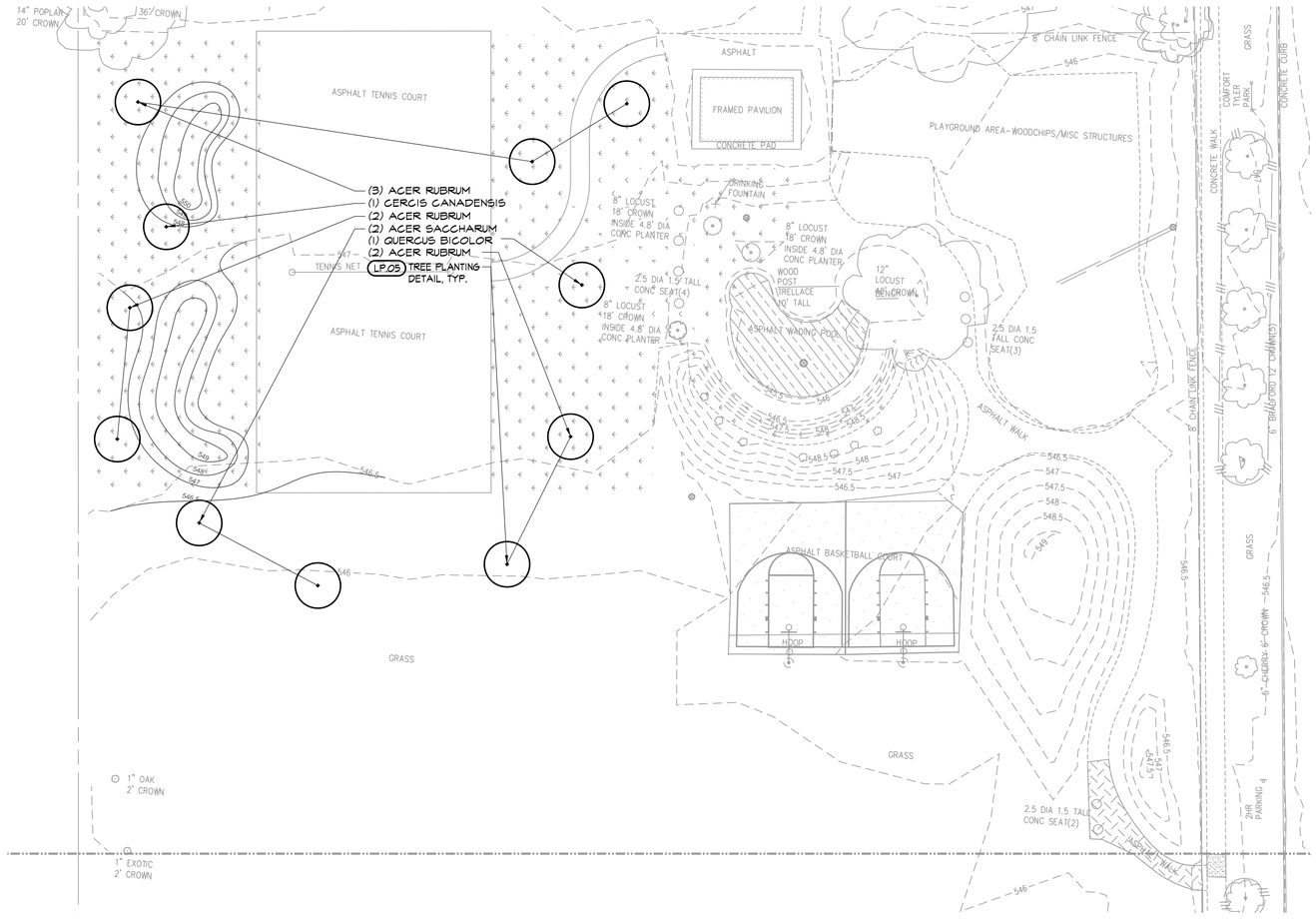
CIVIL
SECTIONS

VERIFY SCALE

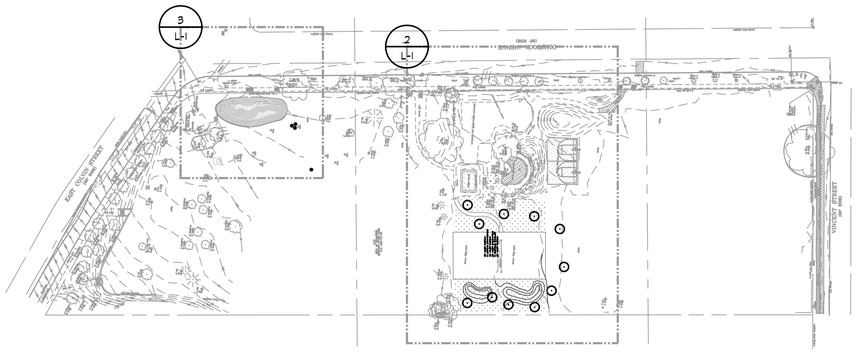
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2013
PROJ	381098
DWG	C-9
SHEET	11 of 14

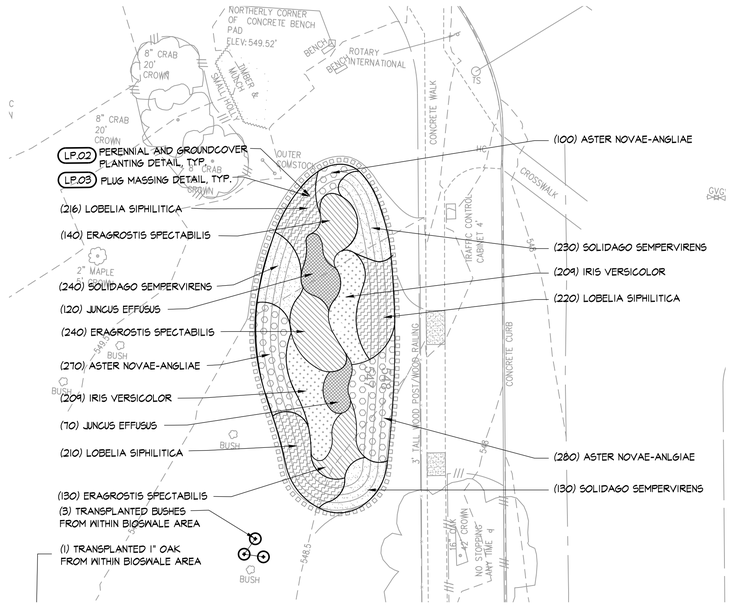


2 / L-1 **COMFORT TYLER PARK**
1" = 20'-0"

20 0 20 40 60



1 / L-1 **KEY PLAN**
1" = 100'-0"



3 / L-1 **COMFORT TYLER PARK**
1" = 20'-0"

20 0 20 40 60

PLANTING SCHEDULE

TREE SCHEDULE

PLANT CATEGORY	CODE	#	SCIENTIFIC NAME	COMMON NAME	TYPE / SIZE	SPACING	NOTES
TREES	AR	7	Acer rubrum	Red Maple	2 1/2" CAL.	As shown	See detail LP.05
	AS	2	Acer saccharum	Sugar Maple	2 1/2" CAL.	As shown	See detail LP.05
	CC	1	Cercis canadensis	Eastern Redbud	2 1/2" CAL.	As shown	See detail LP.05
	QB	1	Quercus bicolor	Swamp White Oak	2 1/2" CAL.	As shown	See detail LP.05

RAINGARDEN PLUG SCHEDULE

PLANT CATEGORY	#	SCIENTIFIC NAME	COMMON NAME	TYPE / SIZE	SPACING	Notes
PERENNIALS	650	Aster novae-angliae	New England Aster	50 PLUGS	18" O.C.	See details LP.02 and LP.03
	418	Iris versicolor	Blue Flag Iris	DP 38	18" O.C.	See details LP.02 and LP.03
	190	Juncus effusus	Soft Rush, Common Rush	"PLUGS"	18" O.C.	See details LP.02 and LP.03
	510	Eragrostis spectabilis	Purple Lovegrass	"PLUGS"	18" O.C.	See details LP.02 and LP.03
	646	Lobelia siphilitica	Great Blue Lobelia	DP 38	18" O.C.	See details LP.02 and LP.03
	600	Solidago sempervirens	Goldenrod	"PLUGS"	18" O.C.	See details LP.02 and LP.03

NO.	DATE	DESCRIPTION	DR	CHK	DN
DSGN	C EIGHMEY	REVISION		APVD	SF
NO.				BY	APVR
				APVD	N
				TD	

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SYRACUSE, NY
ONONDAGA COUNTY, NY 13202

CH2MHILL

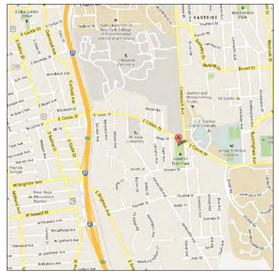
PLANTING PLAN

100% DESIGN SUBMITTAL

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	AUGUST 7, 2013
PROJ	381098
DWG	L-1
SHEET	12

FILENAME: Comfort Tyler_planting.dwg PLOT DATE: 8/7/2013 11:58 AM



LOCATION PLAN

N.T.S.

LEGEND

EXISTING CONTOUR	427
NEW CONTOUR	427
EXISTING SPOT ELEVATION	427.40
NEW SPOT ELEVATION	427.40
NEW SWALE	
PROPERTY LINE	
CONTRACT LIMIT LINE	
NEW ASPHALT PAVING	
FLEXIPAVE	
NEW LAWN	

ABBREVIATION LEGEND

CATCH BASIN	CB
DRAIN INLET	DI
PIPE INVERT	INV

UTILITIES LEGEND

EXISTING ELECTRICAL LINE	E
EXISTING GAS LINE	G
EXISTING SANITARY LINE	SAN
EXISTING STORM DRAIN	ST
NEW STORM DRAIN	ST
EXISTING WATER LINE	W
NEW WATER LINE	W
UTILITY POLE	
CATCH BASIN/DRAIN INLET	

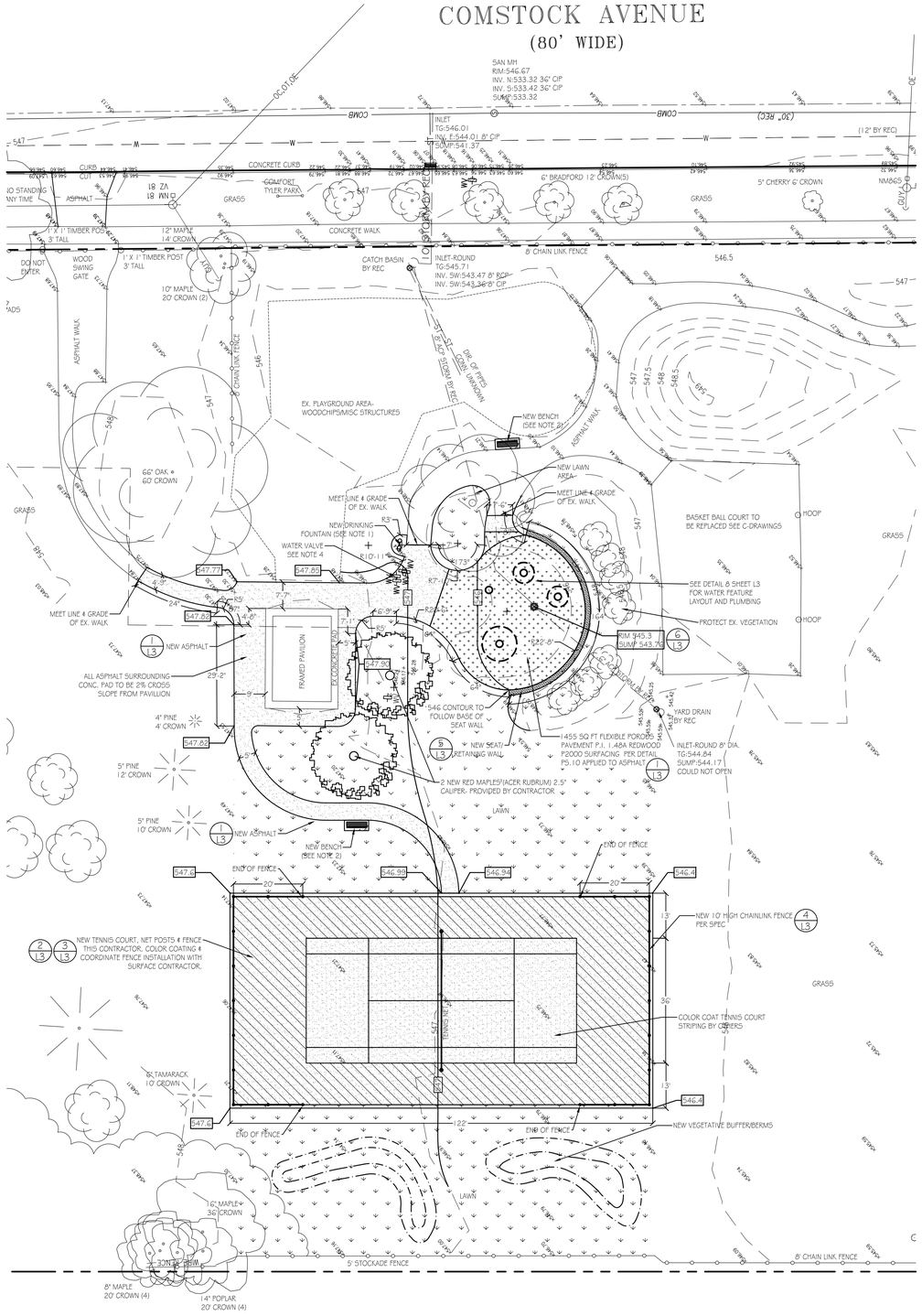
NOTES:

1. DRINKING FOUNTAIN: MDF 410 SURFACE MOUNT ADA DRINKING FOUNTAIN, POWDER COATED GREEN WITH ATTACHED PET FOUNTAIN BY BEACHUM RECREATION OR APPROVED EQUAL.

2. BENCH: DUMOR SERIES 165 (OR APPROVED EQUAL), MOUNTED ON CONC. PAD (DETAIL P5.11) PER MANUFACTURER'S INSTRUCTIONS.

3. SPRAY EQUIPMENT BY PARKITECTS INC - WATER ODESSEY ITEMS: #W004C - DADDY LONG LEGS, #W085 - SPLASH-O-LATOR, #W071 - WATER FLOWER. AND #WHP HYDRO PAD (HYDRAULIC ACTIVATOR) OR APPROVED EQUAL.

4. CONNECT TO EXISTING WATER VALVES, COORDINATE WITH CITY OF SYRACUSE TRADES, CURRENT PLUMBING CODES SEE SHEET L-3.



(E:)\CURRENT-PROJ\3205-Comfort Tyler Park\dwgs\ComfortTyler-MP_3-14-13.dwg

COMFORT TYLER PARK
CITY OF SYRACUSE
NEW YORK

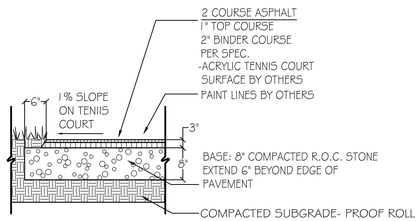
MAXIAN + HORST
Landscape Architects + Land Planners
306 Hawley Avenue
Syracuse, NY 13203
r 315 472 2461

REGISTERED LANDSCAPE ARCHITECT 001355 STATE OF NEW YORK

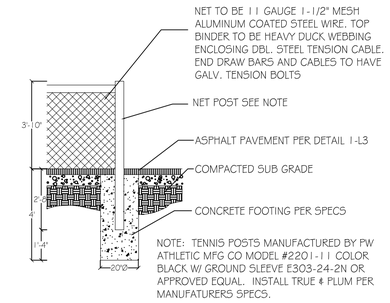
SCALE: 1" = 40'
DRAWN BY: EAG
DRAWING:
DATE: 7-11-13
REV. DATE:

SITE PLAN

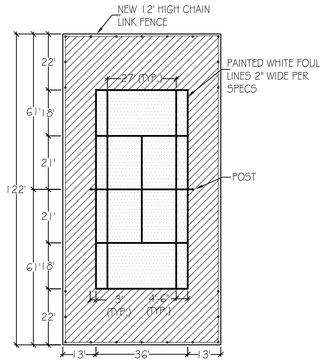
L·2



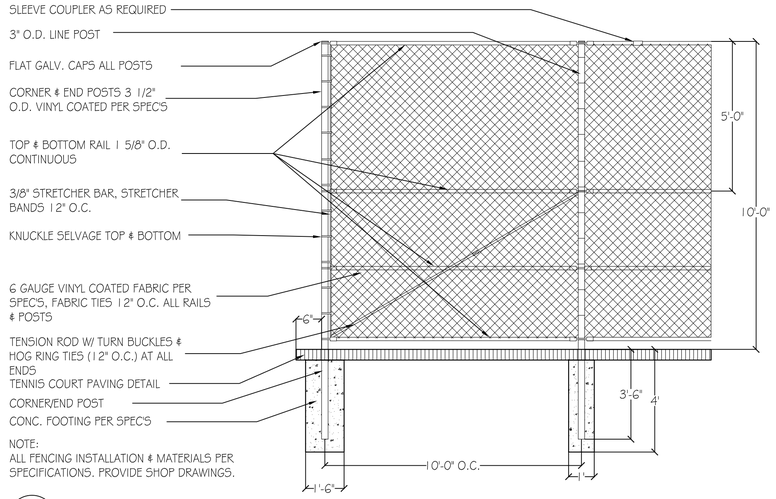
1 L3 ASPHALT PAVING
NOT TO SCALE



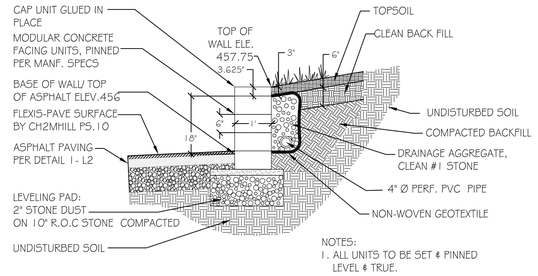
2 L3 TENNIS NET POST
NOT TO SCALE



3 L3 TENNIS COURT STRIPING BY OTHERS
NOT TO SCALE

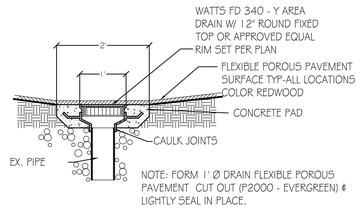


4 L3 CHAINLINK FENCE
NOT TO SCALE

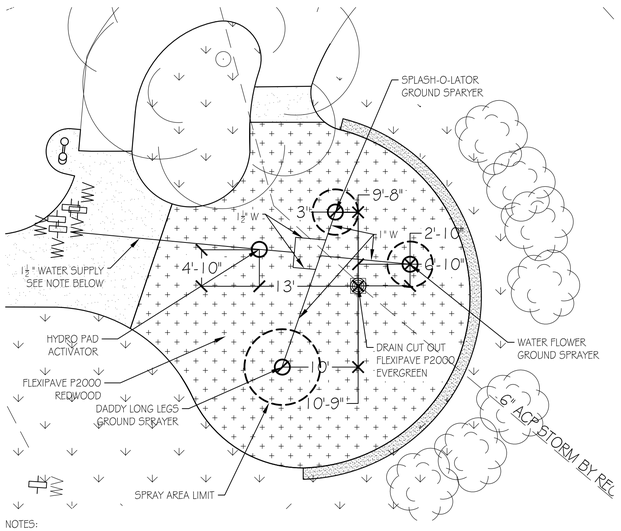


NOTES:
1. ALL UNITS TO BE SET & PINNED LEVEL & TRUE.

5 L3 SEAT/RETAINING WALL
NOT TO SCALE



6 L3 AREA DRAIN
NOT TO SCALE



NOTES:
1. CONNECT NEW 1 ½" WATER SUPPLY LINE TO EXISTING WATER VALVES. COORDINATE WITH CITY OF SYRACUSE TRADES PER CURRENT PLUMBING CODES.
2. SPRAY FEATURES MANUFACTURED BY WATER ODYSSEY SUPPLIED BY PARKITECTS INC. LANSING, NY 1-800-726-4833, WWW.PLAYGROUNDINFO.COM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

8 L3 SPRAY FEATURES LAYOUT
NOT TO SCALE

(E:)\CURRENT-PROJ\3205-Comfort Tyler Park\dwgs\ComfortTyler-MP_3-14-13.dwg

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REGISTERED LANDSCAPE ARCHITECT
BRIAN D. MAXIAN
001355
STATE OF NEW YORK

SCALE: AS NOTED
DRAWN BY: EAG
DRAWING:
DATE: 7-11-13
REV. DATE:

DETAILS

L·3