

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 070

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 06/14/2017

Contract Date:

Reason Code: 06 Owners scope
07 Unforeseeable conditions

Discipline Code: 10 Other

St. Louis
Baltimore
Boston
Buffalo
Calgary
Chicago
Houston
Los Angeles
Mumbai
New York
Phoenix
San Francisco
Shanghai
Toronto
Vancouver
Victoria
Washington DC

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

C400, C500, C602, C700.

1100 Clark Avenue
St. Louis, Missouri
63102
T: 314.241.6250
F: 314.241.2570
www.cannondesign.com

Reason Codes:
#1. Jurisdictional Agency
#2. Constructor Driven
#3. Document Inconsistency
#4. Fast Track Driven
#5. A/E Scope
#6. Owners Scope
#7. Unforeseeable Conditions
#8. Other

Discipline Codes
#1. Demo-demolition
#2. Div1-Division 1 items on the spec book
(this item is not used)
#3. Electrical
#4. Elevator
#5. Equipment (Changes in equipment,
Owner Purchased)
#6. Fire Protection

Discipline Codes
#7. General Construction (Architectural)
#8. General Conditions (Div. 1)
#9. HVAC
#10. Other
#11. Plumbing
#12. Site Work/Landscaping
#13. Structural

Architect's Supplemental Instructions

Page 2

Description:

Reconfiguration of Rain Garden 2 due to discovery of underground fuel oil tank.

Per MSD's direction, the change will be managed as a Field change.

Final approval will be contingent on MSD's approval.

Issued by Architect: Mark Davis, David Mason & Associates.

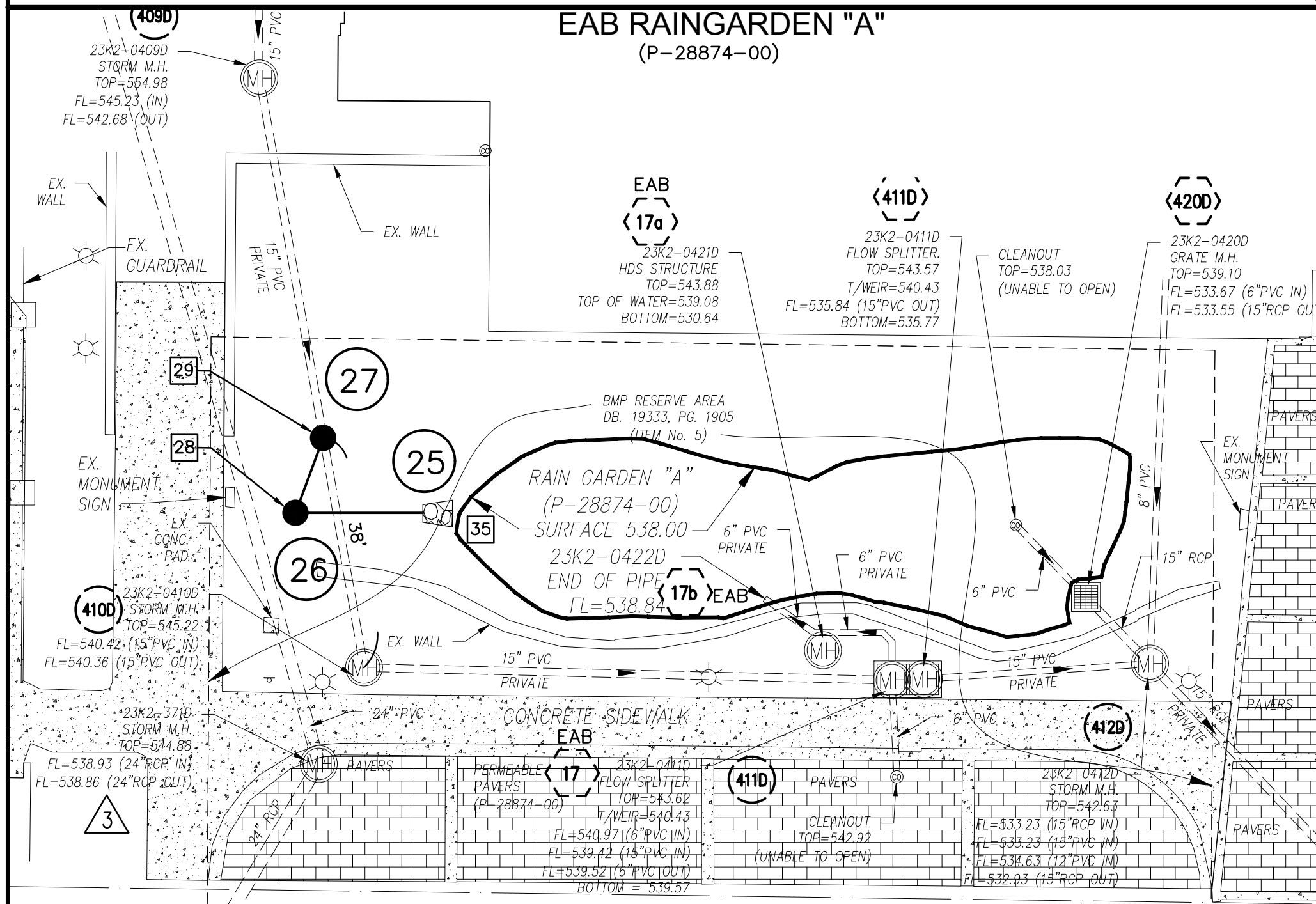
Accepted by Contractor:

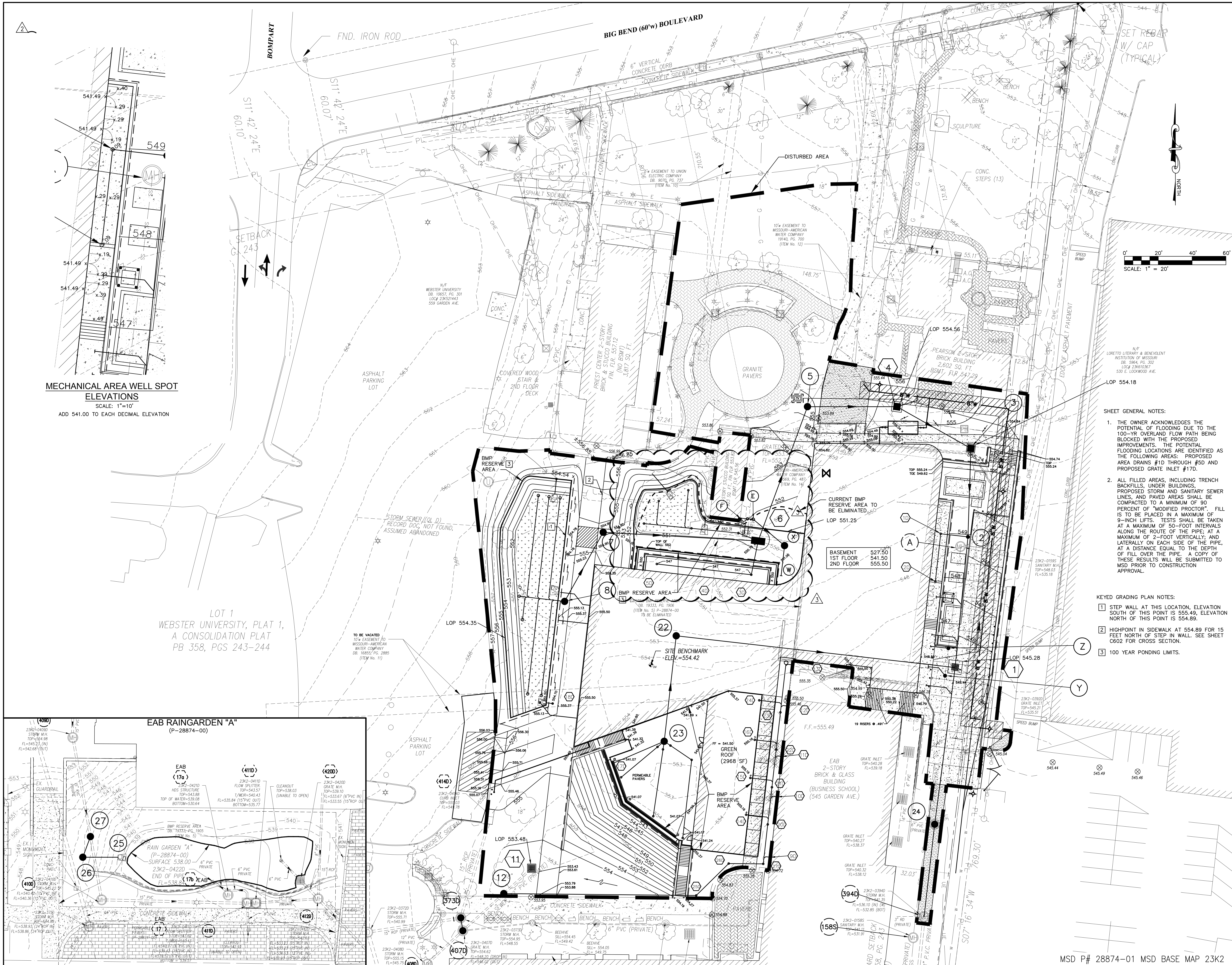
SHEET GENERAL NOTES:

- IF STORM AD SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH, THE UPPER PIPE SHALL BE PLACED ON A SHELF AND THE LOWER PIPE SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER PIPE. NOTE - PIPE JOINTS WITH ADAPTERS AND COUPLINGS SHALL BE SUPPLIED AND INSTALLED WITH 316 STAINLESS STEEL NUT AND BOLT CLAMPS (T-BOLT) CONFIGURATION; AND WITH STAINLESS STEEL SHEAR BANDS, BEING A MINIMUM OF 12 (12) MILS (MSD STD. CONST. SPECS. PT. 2, SUBSECTION H 11). WORM DRIVE HOSE CLAMPS AND CONCRETE BACKFILLING (CAUSTICITY) WILL NO LONGER BE ALLOWED AT THOSE JOINTS. GRANULAR BACKFILL SHOULD BE USED. IF FLOWABLE FILL IS REQUIRED, THE CONTRACTOR SHALL WEAR AND TAPE THE ADAPTERS AND COUPLINGS WITH A SIX (6) MIL POLYETHYLENE SHEET.
- LIMITS OF DISTURBANCE: THE CONTRACTOR SHALL STAY WITH THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHENEVER POSSIBLE.
- CONSTRUCTION OF STRAPPED PLUMBING SHALL BE CONSISTENT WITH MSD RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY SEWER AND STORMWATER DRAINAGE FACILITIES (FEBRUARY 2006), FIGURES 3-1 & 3-2.
- A BACKWATER VALVE SHALL BE REQUIRED ON ALL SANITARY BUILDING LATERALS PER ST. LOUIS COUNTY PLUMBING CODE.
- THE OWNER ACKNOWLEDGES THE POTENTIAL OF FLOODING DUE TO THE 100-YR OVERLAND FLOW PATH BEING BLOCKED WITH THE PROPOSED IMPROVEMENTS. THE POTENTIAL FLOODING LOCATIONS ARE IDENTIFIED AS THE FOLLOWING AREAS: PROPOSED AREA DRAINS #10 THROUGH #50 AND PROPOSED TRENCH DRAIN #170.
- EXTERNAL GREASE TRAPS AND SAMPLING MANHOLE: AN EXTERNAL GREASE TRAP IS REQUIRED TO BE LOCATED IN AN ACCESSIBLE LOCATION FOR MSD INSPECTION, PROVIDE MEANS FOR VISUAL INSPECTION FROM ABOVE FOR BOTH INFLUENT AND EFFLUENT SIDES. A MSD SAMPLING MANHOLE WILL BE LOCATED ON A PRIVATE LATERAL IN AN ACCESSIBLE LOCATION FOR MSD SAMPLING. THE SAMPLING MANHOLE WILL BE LOCATED DOWNSTREAM OF THE GREASE TRAP AND EXISTING SANITARY LATERAL CONNECTIONS TO FACILITATE MSD SAMPLING. GREASE TRAPS AND SAMPLING MANHOLES WILL BE SHOWN ON THE PLANS AND NOT BE LOCATED IN DRIVE-THRU LANES OR WITHIN PARKING SPACES.
- THE ENTIRE EXISTING RAIN GARDEN "A" MIGHT HAVE TO BE REPLACED DURING CONSTRUCTION IF THE MSD INSPECTOR BELIEVES THAT THE RAIN GARDEN IS GETTING PLUGGED UP DURING THE CONSTRUCTION OF THE PROPOSED FLOW SPLITTER, DOWNSTREAM DEFENDER AND ASSOCIATED PIPING.
- AN INTERNAL GREASE INTERCEPTOR SHALL BE PROVIDED FOR THE BUILDING AS SHOWN ON PLUMBING PLAN SHEET P0011. THIS ITEM SHALL BE CONNECTED TO THE BUILDING SANITARY SEWER.
- A SAND INTERCEPTOR SHALL BE PROVIDED FOR THE BUILDING FOUNDATION DRAIN TILES AS SHOWN ON PLUMBING PLAN SHEET P0010. THIS ITEM SHALL BE CONNECTED TO THE BUILDING STORM SEWER.

KEYED SITE PLAN NOTES

- CONTRACTOR TO FIELD LOCATE EXISTING DOWNSPOUT LINE AND RELOCATE WITH 8" PVC INTO PROPOSED STORM SEWER SYSTEM.
- SEE LANDSCAPE PLANS FOR HARDSCAPE DETAILS.
- CONSTRUCT TRENCH DRAIN BEHIND SEAT WALL ON GRASS SIDE AND AT THE BASE OF THE SEAT WALL ON THE PLAZA SIDE, DISCHARGE UPPER TRENCH DRAIN TO PLAZA (3A), DISCHARGE LOWER TRENCH DRAIN TO MANHOLE 23 (PRIVATE).
- CONCRETE RETAINING WALL WITH ARCHITECTURAL FINISH.
- CONCRETE RETAINING WALL WITH FIBER/CEMENT PANEL FINISH.
- PLACE 2 AREA DRAINS IN AREA WELL AND CONNECT WITH 8" PVC TO MANHOLE, SEE PROFILE.
- CONSTRUCT DUMPSTER PAD AND ENCLOSURE.
- 8" DIAMETER PVC, W/AR SMITH 1775 SS COVER TO BUILDING DOWNSPOUT, SEE PLUMBING FOR CONTINUATION. FL AT WALL = 552.00, ROCK BLANKET 5'Lx5'Wx1'D.
- 6" DIAMETER PERFORATED SUB DRAIN, (TYP), SOLID OUTSIDE BMP BOUNDARY.
- DISCHARGE EXISTING STORM DRAINS TO BASIN EITHER DIRECTLY IF FLOWLINE ALLOWS WITH END OF PIPE HEADWALL OR VIA BUBBLER. MATCH EXISTING PIPE TYPE, DIAMETER AND SLOPE. ROCK BLANKET 5'Lx5'Wx1'D.
- 4" DIAMETER PERFORATED SUB DRAIN, (TYP) INSTALL CLEANOUT AT END PER DETAIL.
- SAMPLING "T"
- CLEANOUT (CO) TOP = 552.00, FL = 547.25 (TYP)
- INLET 180 IS SIMILAR TO INLET 30, DRAIN THRU RETAINING WALL WITH 8" PVC, TOP = 554.70, FL = 552.67, FL = 552.00 AT RAIN GARDEN. ROCK BLANKET 5'Lx5'Wx1'D.
- PRIVATE 6" SANITARY SEWER LATERAL AT 2% MIN.
- SAMPLING MANHOLE
- GREASE INTERCEPTOR, SEE PLUMBING.
- BUILDING DOWNSPOUT, SEE PLUMBING
- PAVERS TO BE REMOVED AND REPLACED IN KIND TO FACILITATE CONSTRUCTION OF WATER LINE.
- PLAZA OBSERVATION WELL TOP = 540.85, FL = 538.67 (TYP)
- CONDENSING UNITS, SEE MECHANICAL FOR LOCATION
- RAIN GARDEN INFORMATIONAL SIGN
- PICP INFORMATION SIGN
- GAS METER, 6"x6"x6" THICK CONCRETE PAD WITH 4 BOLLARDS, ONE IN EACH CORNER. SEE SHEET C701 FOR DETAIL, MECHANICAL FOR PIPING, ARCH FOR COLOR.
- 20'-6" DIAMETER CONCRETE FILLED STEEL BOLLARDS, SEE ARCH FOR COLOR AND LAYOUT.
- INTEGRAL CURB AND SIDEWALK.
- ADJUST LOCATION OF DRAINS AND PIPING BASED ON DOUBLE WALL CONFIGURATION.
- NEW HYDRO INTERNATIONAL 48" DOWNSTREAM DEFENDER.
- NEW FLOW SPLITTER MANHOLE.
- NEW FIRE HYDRANT
- REMOVE AND REPLACE EXISTING BRICK SCREEN WALL. SEE ARCHITECTURAL AND STRUCTURAL.
- CLEANOUT (CO) TOP = 551.00, FL = 546.25 (TYP)
- TRAPPED UNDERDRAIN (TU) TOP = 541.26, FL = 539.64 (TYP), FL = 538.98 (TYP)
- TBR&R AT MSD INSPECTORS DISCRETION
- ROCK BLANKET (5'Wx5'Lx1'D)
- PRIVATE 6" PVC SANITARY SEWER LATERAL @ 2% MIN FOR INTERIOR GREASE INTERCEPTOR.
- 8" PVC BUBBLER, TOP ELEVATION 552.50, CONNECT TO 4" BUILDING DOWNSPOUT PER DETAIL.
- NEW SAMPLING MANHOLE, CONSTRUCT OVER EXISTING SEWER.
- 4" RETAINING WALL SUBDRAIN, PERFORATED WHEN ADJACENT TO WALL AND SOLID AT ALL OTHER LOCATIONS. DAYLIGHT VIA BUBBLER.
- 4" RETAINING WALL SUBDRAIN, PERFORATED WHEN ADJACENT TO WALL AND SOLID AT ALL OTHER LOCATIONS. CONNECT TO BUILDING SUBDRAIN SYSTEM.

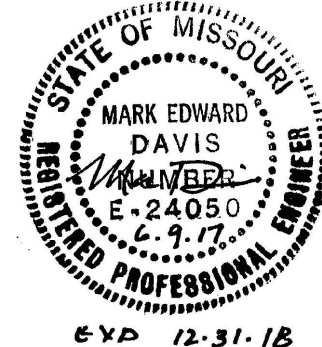
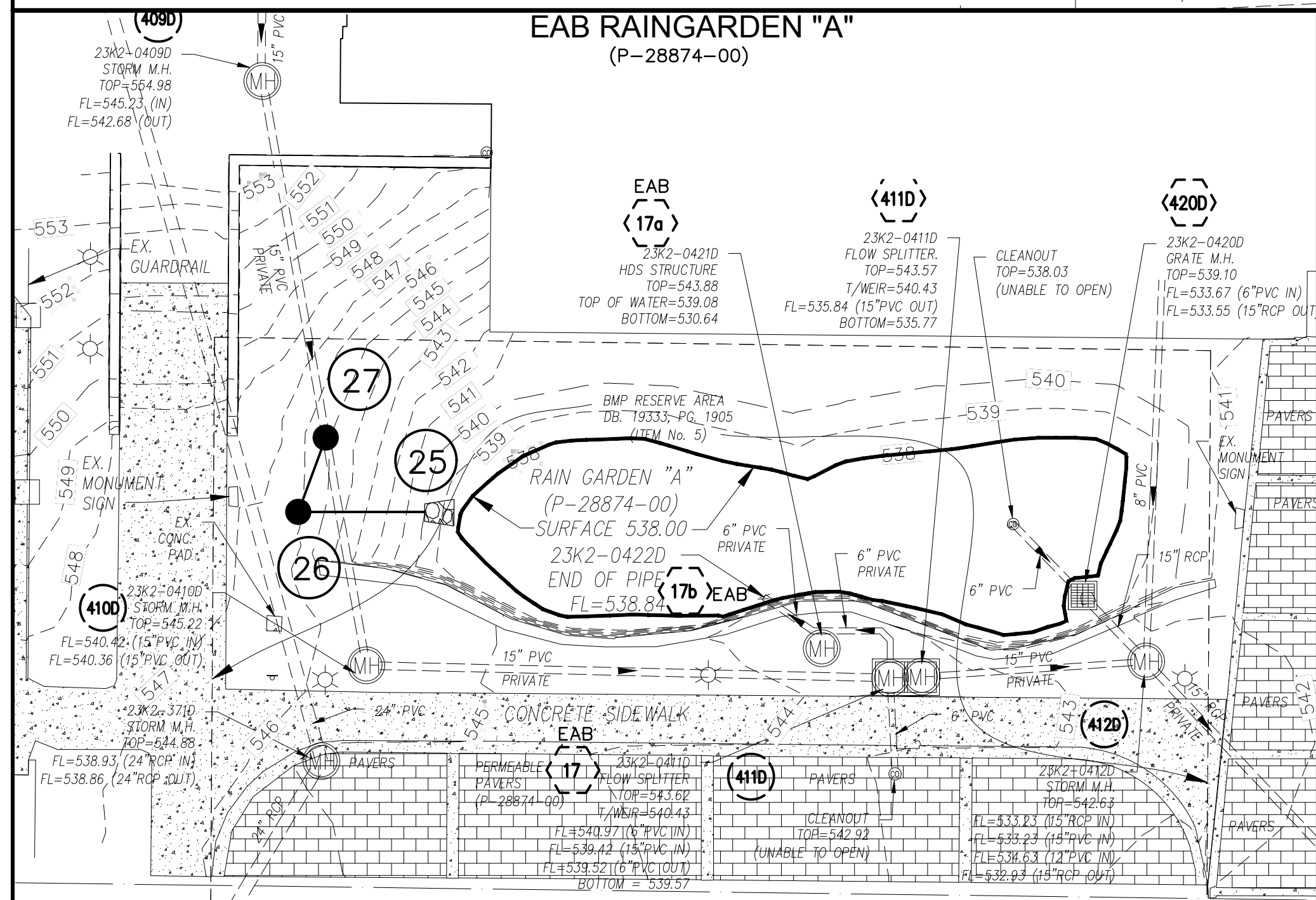




MECHANICAL AREA WELL SPOT ELEVATIONS
SCALE: 1"=10'
ADD 541.00 TO EACH DECIMAL ELEVATION

- SHEET GENERAL NOTES:
1. THE OWNER ACKNOWLEDGES THE POTENTIAL OF FLOODING DUE TO THE 100-YR OVERLAND FLOW PATH BEING BLOCKED WITH THE PROPOSED IMPROVEMENTS. THE POTENTIAL FLOODING LOCATIONS ARE IDENTIFIED AS THE FOLLOWING AREAS: PROPOSED AREA DRAINS #1D THROUGH #5D AND PROPOSED GRATE INLET #17D.
 2. ALL FILLED AREAS, INCLUDING TRENCH BACKFILLS, UNDER BUILDINGS, PROPOSED STORM AND SANITARY SEWER LINES, AND PAVED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF "MODIFIED PROCTOR" FILL IS TO BE PLACED IN A MAXIMUM OF 9-INCH LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50-FOOT INTERVALS ALONG THE ROUTE OF THE PIPE; AT A MAXIMUM OF 2-FOOT VERTICALLY; AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE. A COPY OF THESE RESULTS WILL BE SUBMITTED TO MSD PRIOR TO CONSTRUCTION APPROVAL.

- KEYED GRADING PLAN NOTES:
- 1 STEP WALL AT THIS LOCATION, ELEVATION SOUTH OF THIS POINT IS 555.49, ELEVATION NORTH OF THIS POINT IS 554.89.
 - 2 HIGHPOINT IN SIDEWALK AT 554.89 FOR 15 FEET NORTH OF STEP IN WALL. SEE SHEET C602 FOR CROSS SECTION.
 - 3 100 YEAR PONDING LIMITS.



3	ASI 070 RAIN GARDEN 2 RECONFIG	09 JUN 2017
2	ASI 054	08 MAR 2017
1	ADDENDUM 1-1	29 JAN 2016
-	ISSUED FOR CONSTRUCTION (BPT)	15 JAN 2016
No.	Description	Date

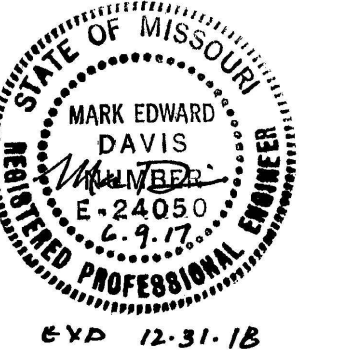


SITE
GRADING
PLAN

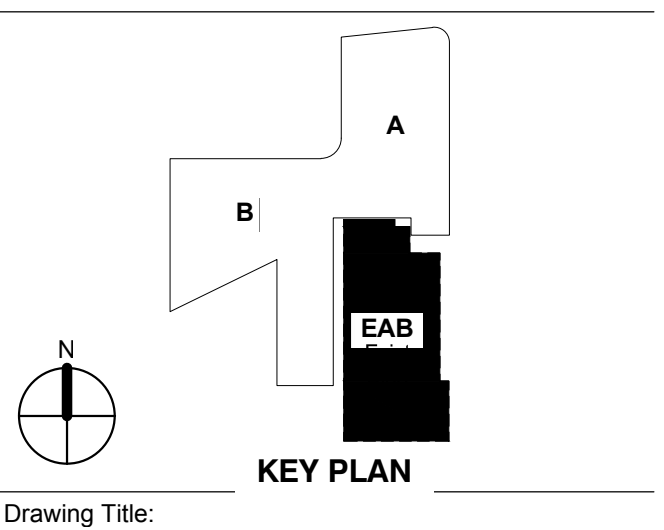
Project No.: 04561.00 Checked by:

C500

MSD P# 28874-01 MSD BASE MAP 23K2
MSD FIELD CHANGE 1 (SHEET 2 OF 4)



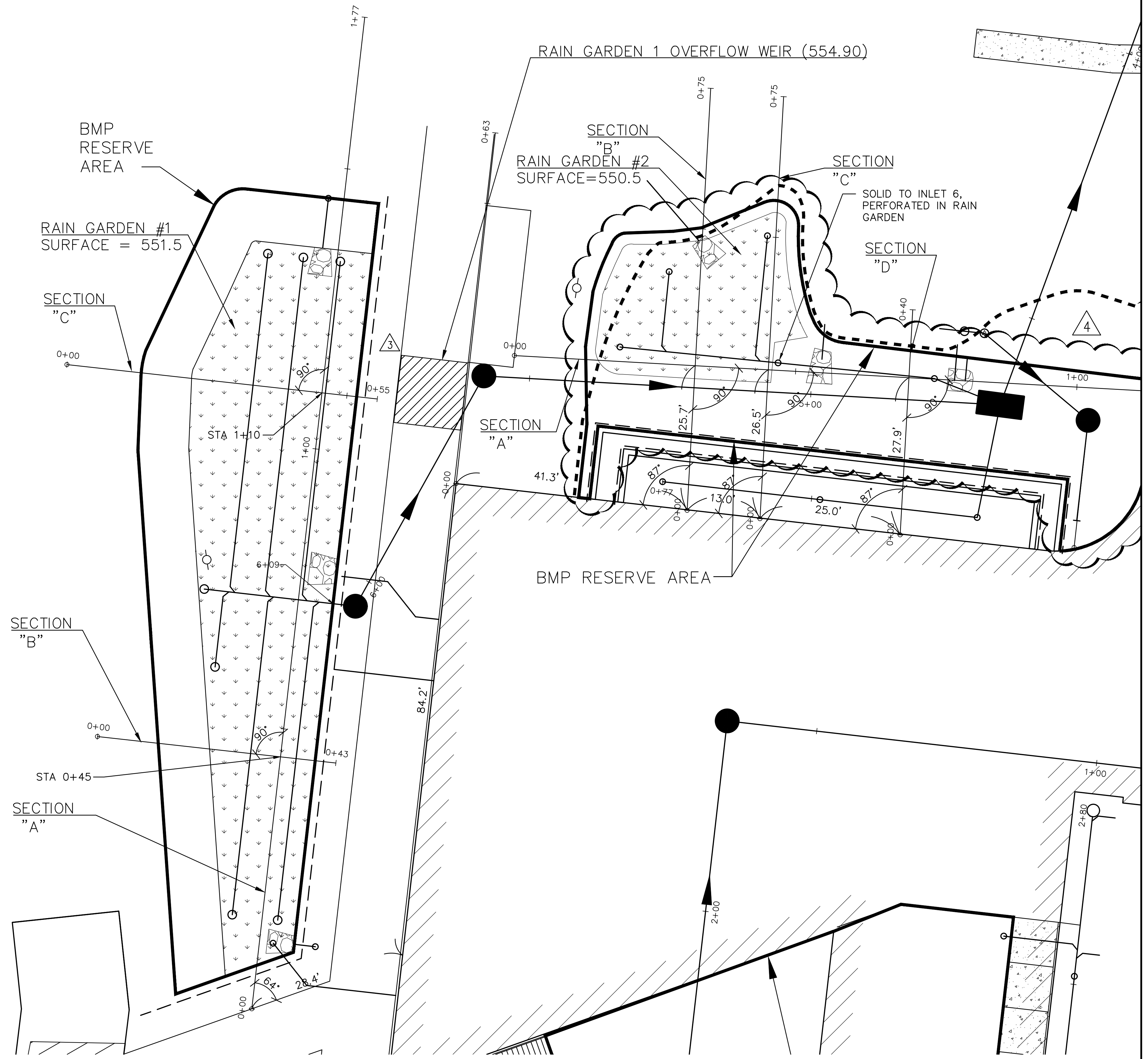
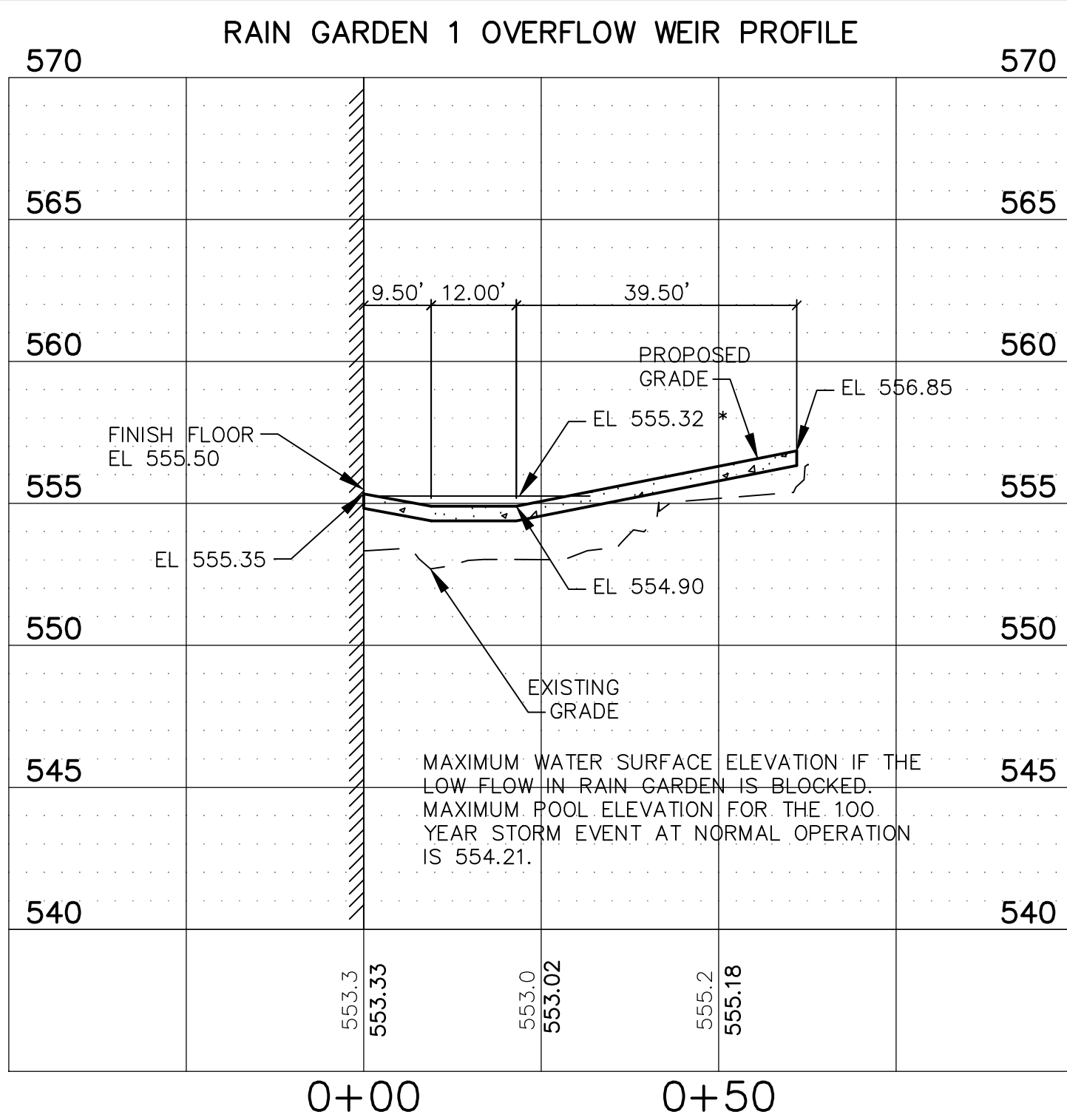
4	ASI 070 RAIN GARDEN 2 RECONFIG	09 JUN 2017
3	ADDENDUM 1-12	16 JUN 2016
2	ADDENDUM 1-10	5 MAY 2016
1	ADDENDUM 1-1	29 JAN 2016
-	ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016



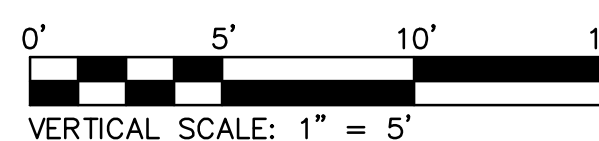
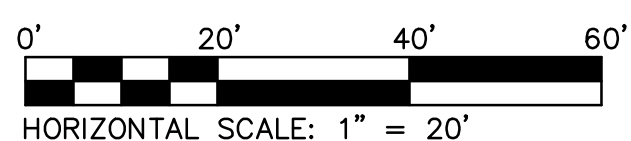
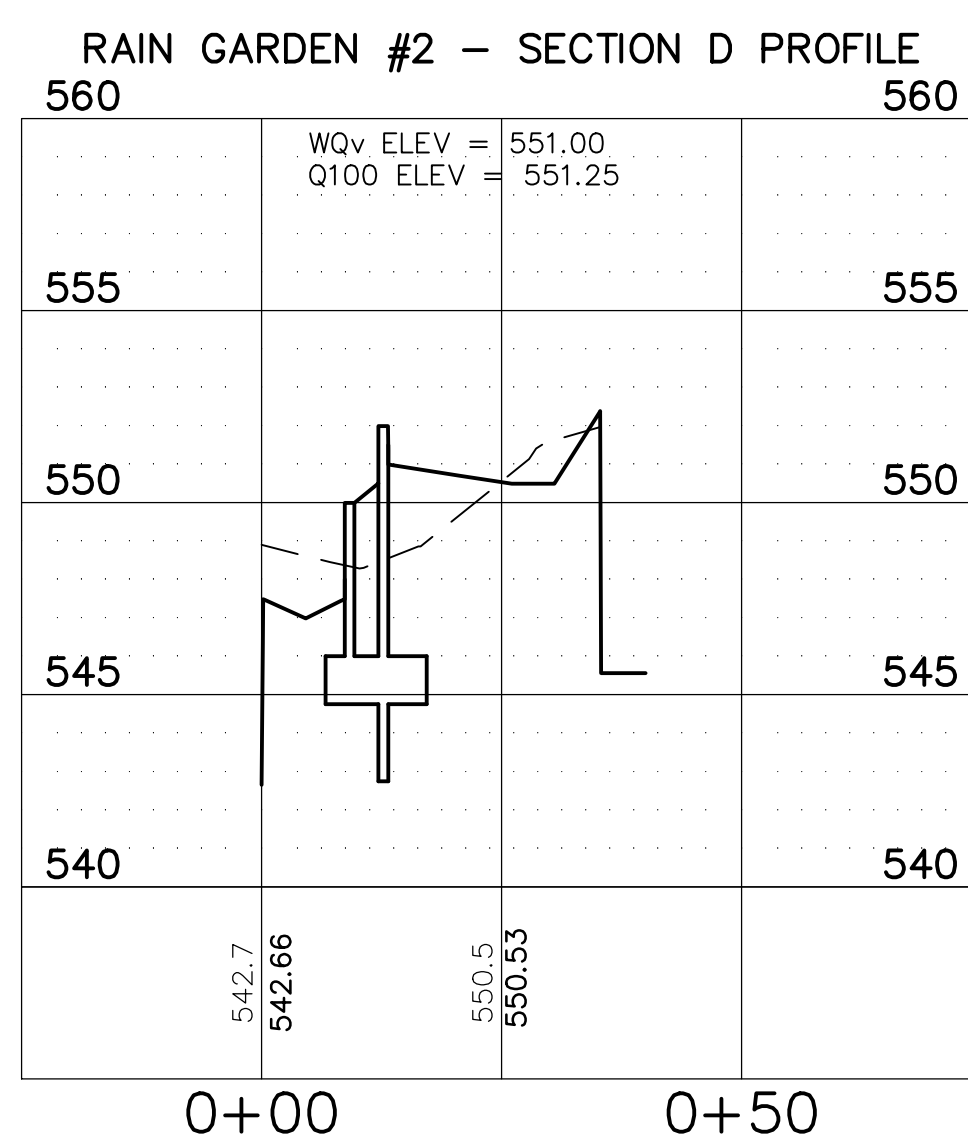
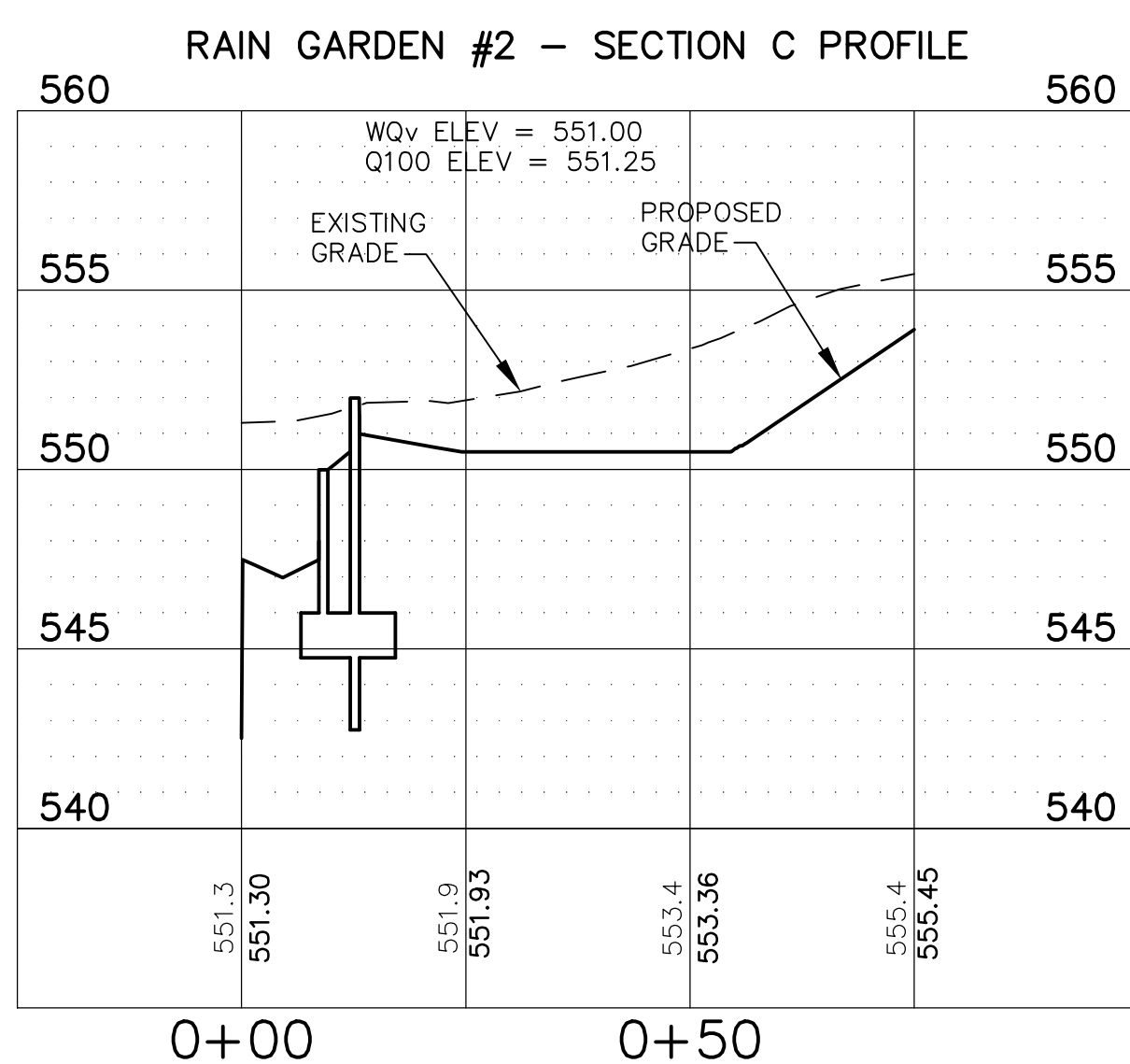
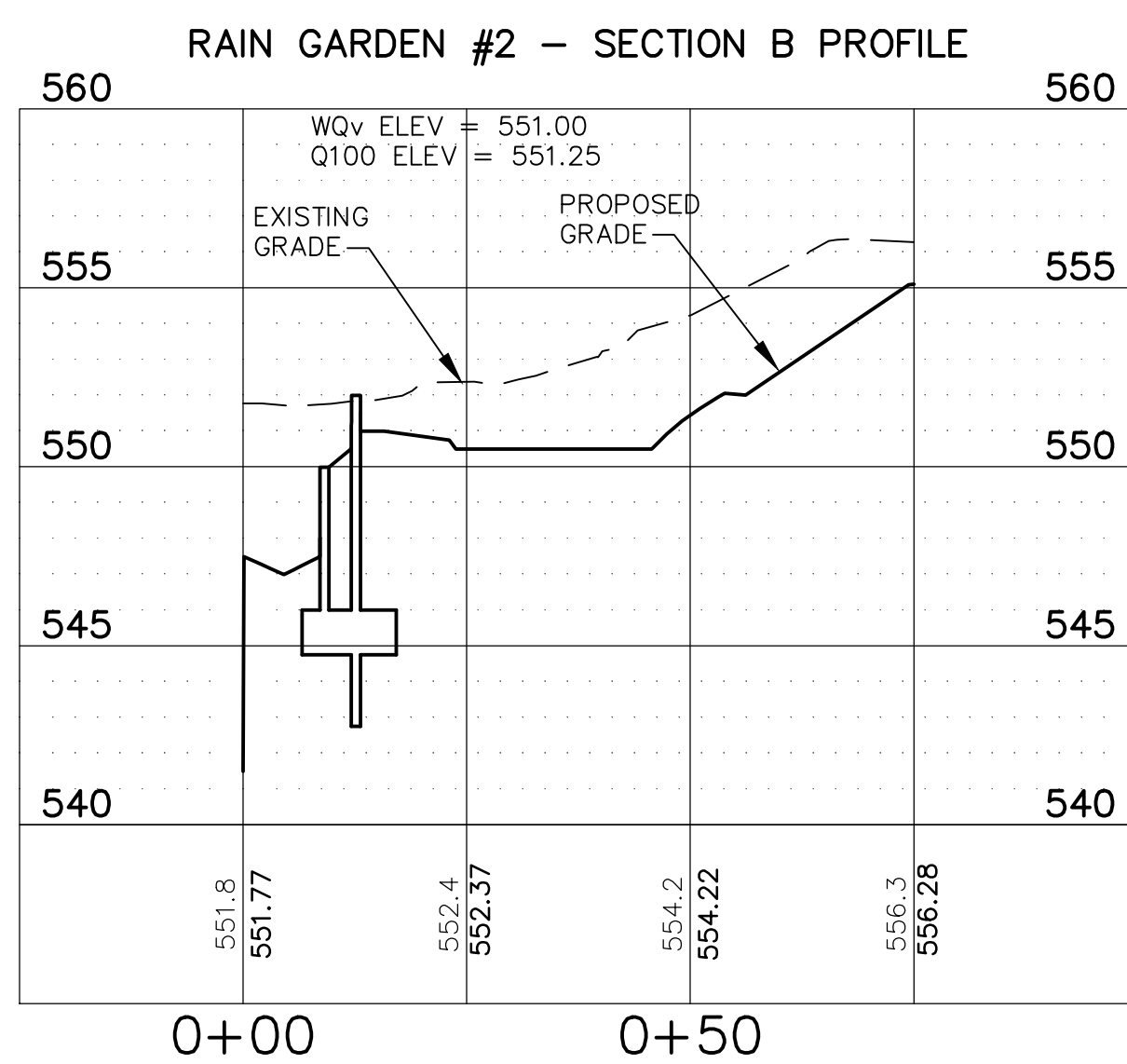
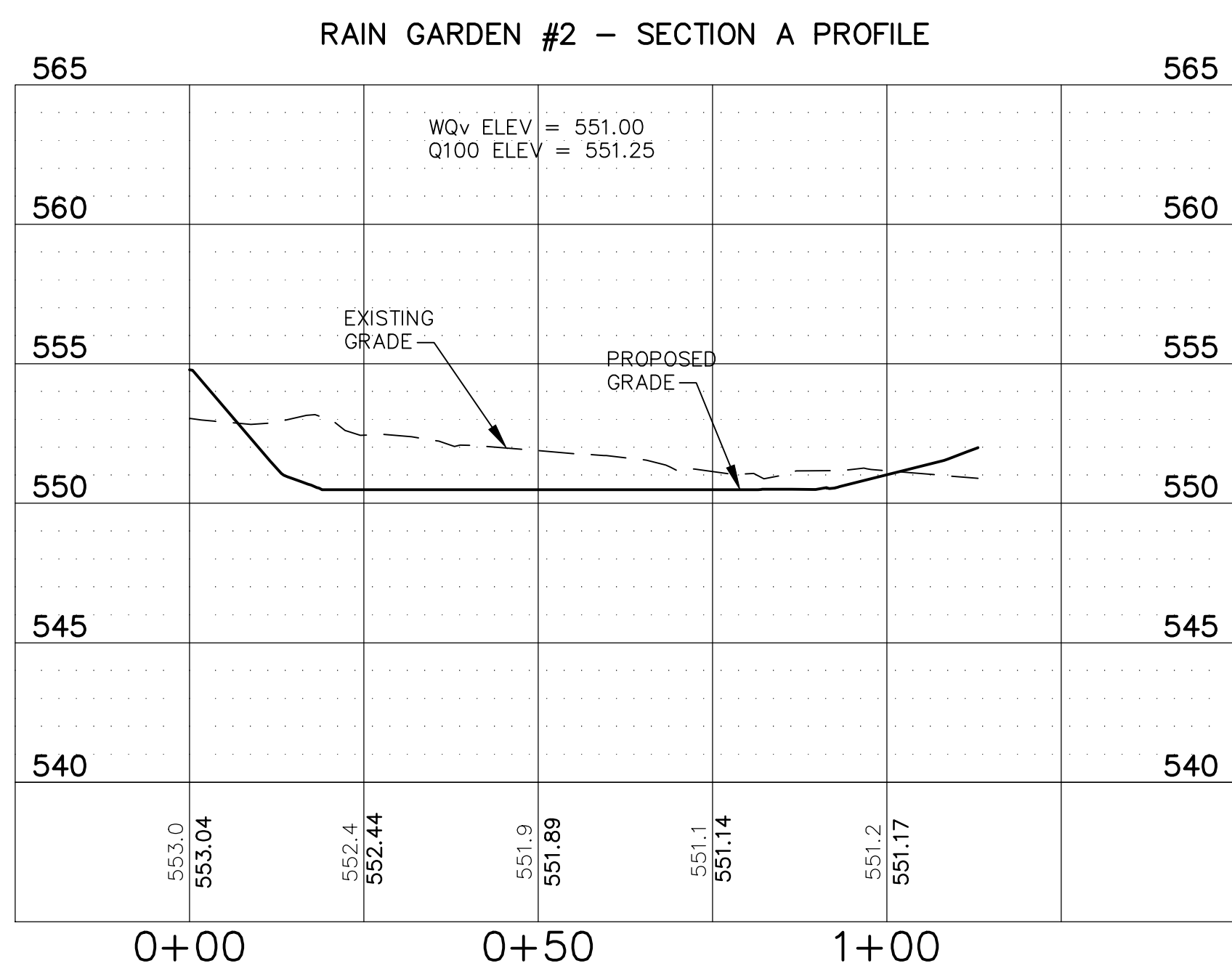
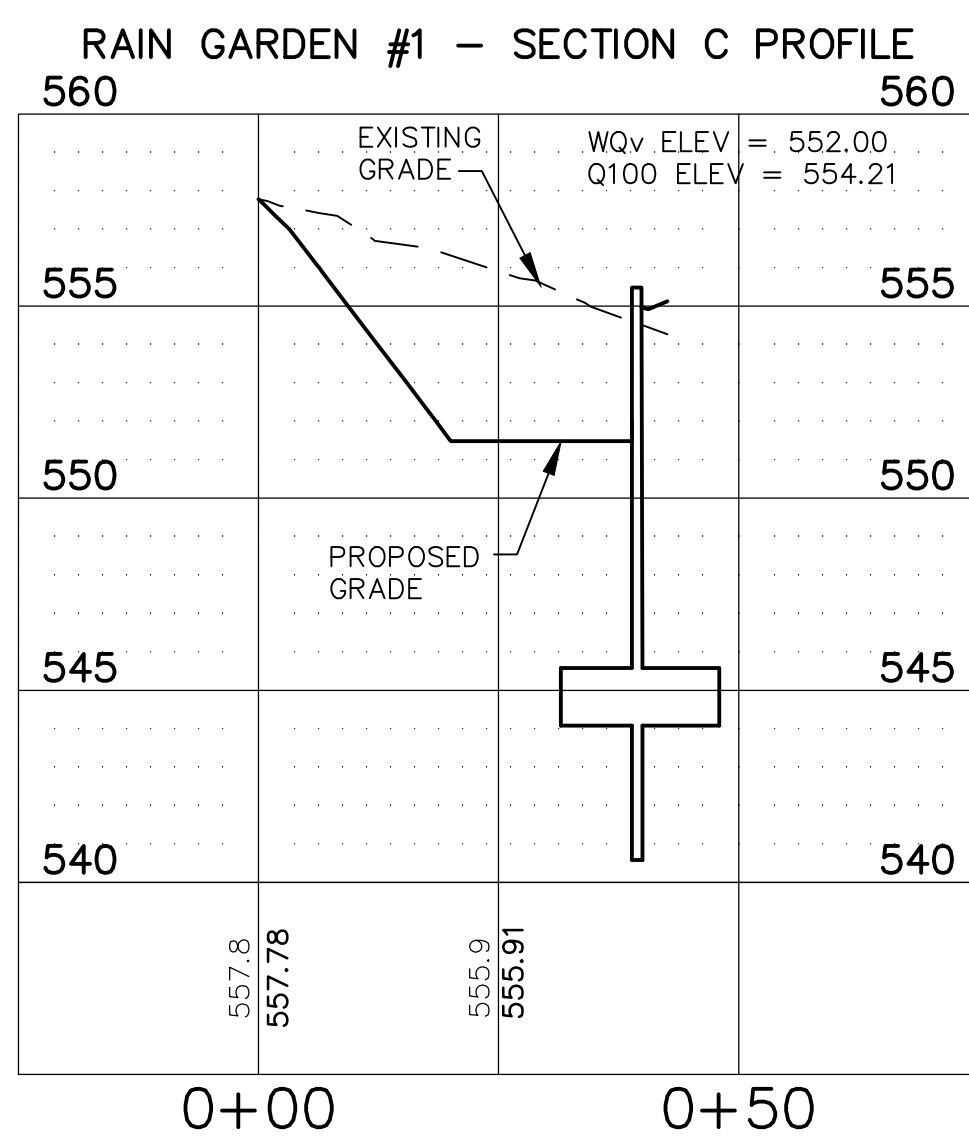
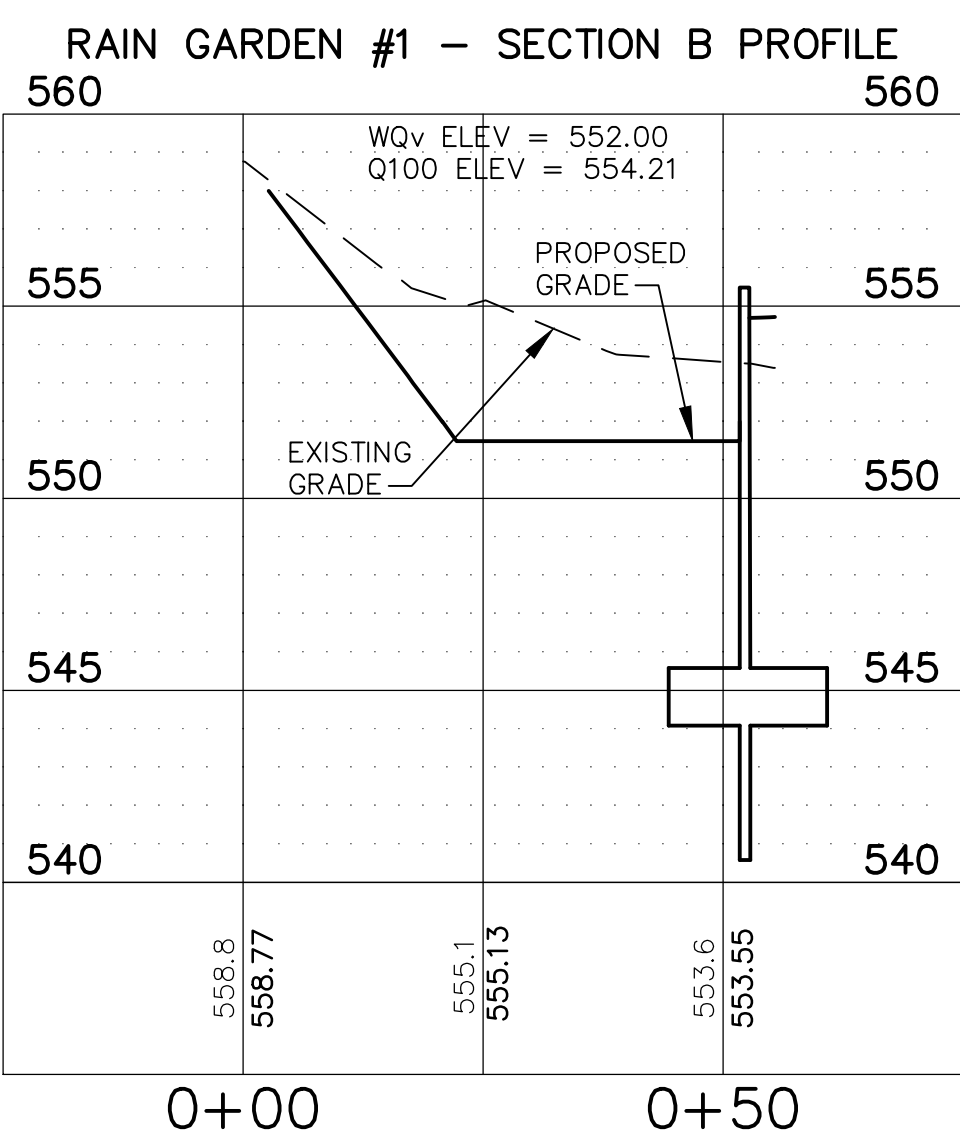
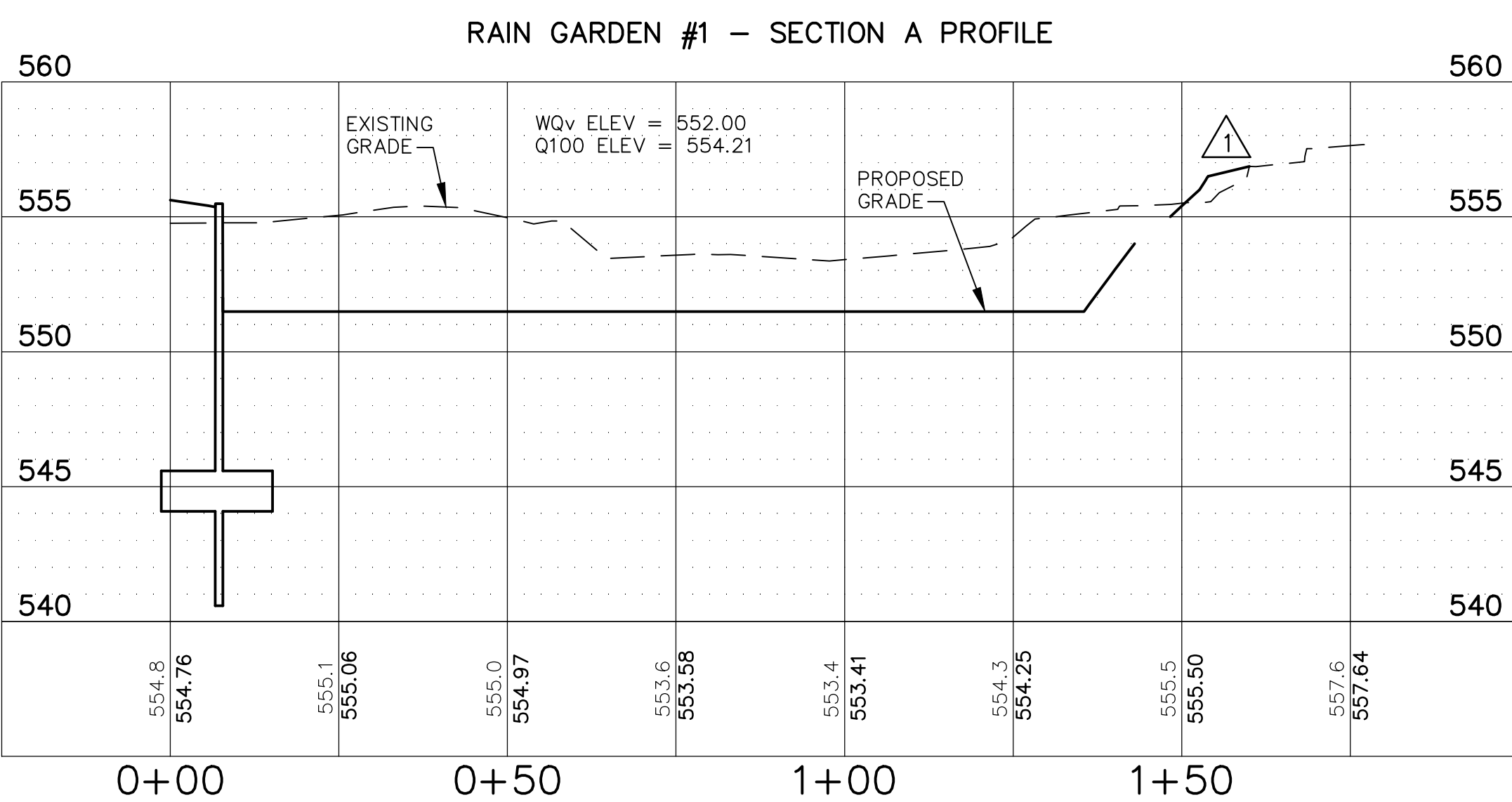
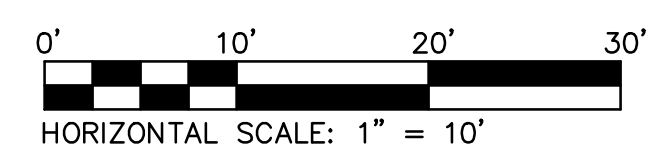
BASIN
SECTIONS

Project No.: 04561.00 Checked by:

C602



NOTE:
CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP
DRAWINGS TO BE APPROVED BY THE PROJECT ENGINEER
AND MSD. CONTACT MSD AT 314-335-2072.



SCALES FOR PROFILES

MSD P# 28874-01 MSD BASE MAP 23K2

MSD FIELD CHANGE 1 (SHEET 3 OF 4)

