



PARIC CORPORATION
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REQUEST FOR INFORMATION	DATE: July 27, 2016	NO.: RFI-218
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To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name:	15051-Webster University Interdisciplinary Science Building	Project No.: 15051
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Subject: Adding nyoplast drain per RFI 175

Response Required By: August 03, 2016

Drawing / Spec Reference:

Information Requested:

Please see attached sketch. Nyoplast drain has been added per RFI 175. Please confirm the location is acceptable.

Response:

Location is acceptable, however, since drain is no longer centered in lawn space lower top to 554.25 to steepen ground slope from building to inlet.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: Mark Davis, DMA

Date: July 28, 2016



PARIC CORPORATION
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REQUEST FOR INFORMATION	DATE: June 17, 2016	NO.: RFI-175
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To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Joe Voypick

Project Name: 15051-Webster University Interdisciplinary Science Building	Project No.: 15051
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Subject: Moving Area Inlet #3

Response Required By: June 24, 2016

Drawing / Spec Reference:

Information Requested:

Please see attached sketch, contractor proposes to move area inlet to the north as shown to avoid conflicts with existing electrical duct bank and shoring system.

Response:

Proposed location for inlet is acceptable, adjust pipe slope evenly between downstream and upstream reach. Change inlet to manhole with circular slotted lid with a top elevation of 555.00. Add Nyloplast 18" drain basin (Top = 554.66, FL = 551.00) at the original location of 3 to collect drainage south of the sidewalk and pipe to new manhole/inlet 3a location with 12" diameter PVC at 2% slope.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Cc: Kathy Bathe, Paric Corporation

Answered By: Mark Davis DMA

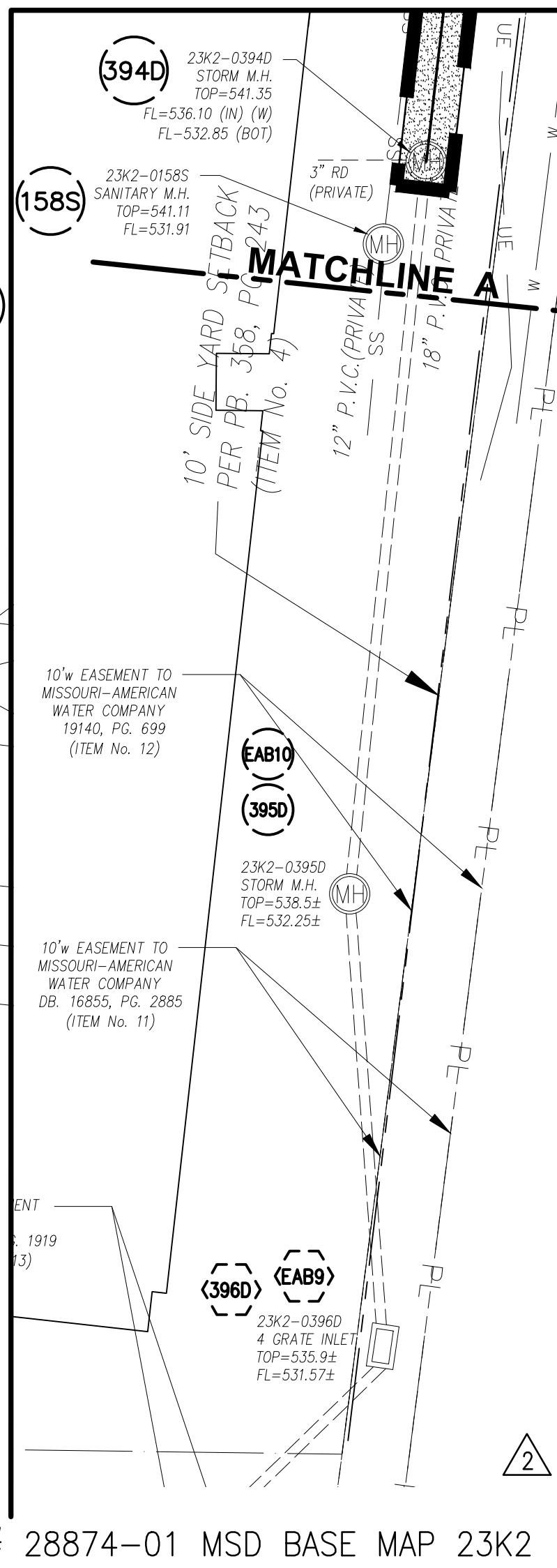
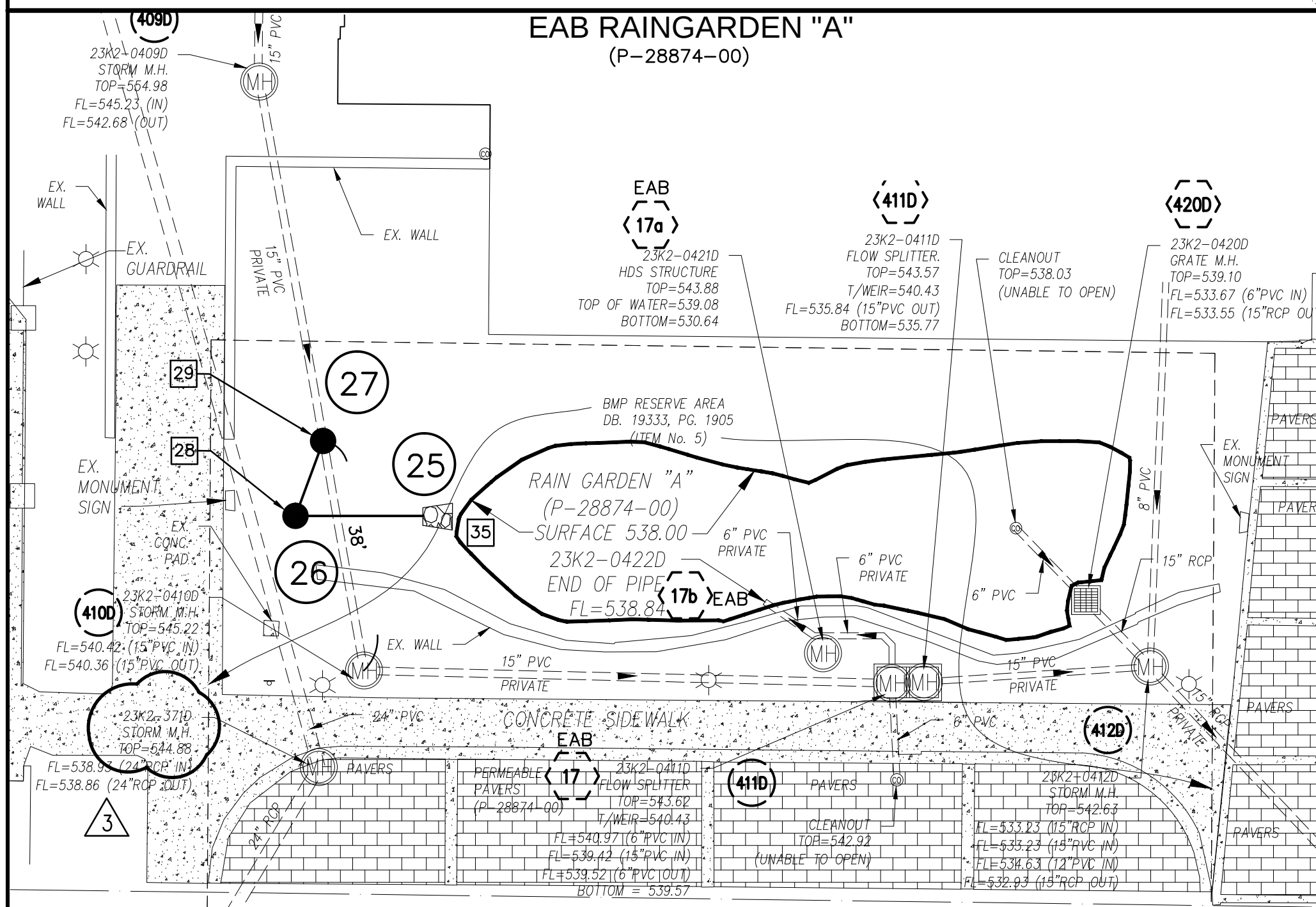
Date: June 30, 2016

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 WRAP 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 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 END OF PIPE HEADWALL OR VIA BUBBLER. MATCH EXISTING PIPE TYPE, DIAMETER AND SLOPE. ROCK BLANKET 5'Lx5'Wx1'D.
- 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 TIED 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 TO BUILDING DOWNSPOUT, SEE PLUMBING FOR CONTINUATION. FL AT WALL = 552.00. ROCK BLANKET 5'Lx5'Wx1'D.
- 6" DIAMETER PERFORATED SUB DRAIN, (TYP)
- 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
- PICOP INFORMATION SIGN
- GAS METER, 6"x6" THICK CONCRETE PAD WITH 4 BOLLARDS PAINTED YELLOW, ONE IN EACH CORNER. SEE SHEET C701 FOR DETAIL AND MECHANICAL FOR PIPING.
- 5-12" DIAMETER PRECAST CONCRETE BOLLARDS
- 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)
- TRAP AT MSW INSPECTOR'S 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



Webster University
Interdisciplinary Science Building

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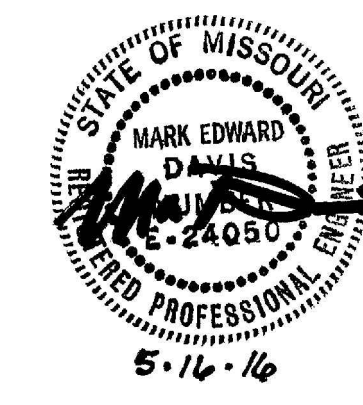
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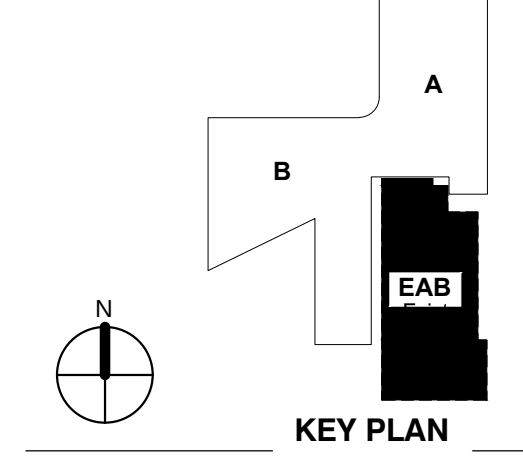
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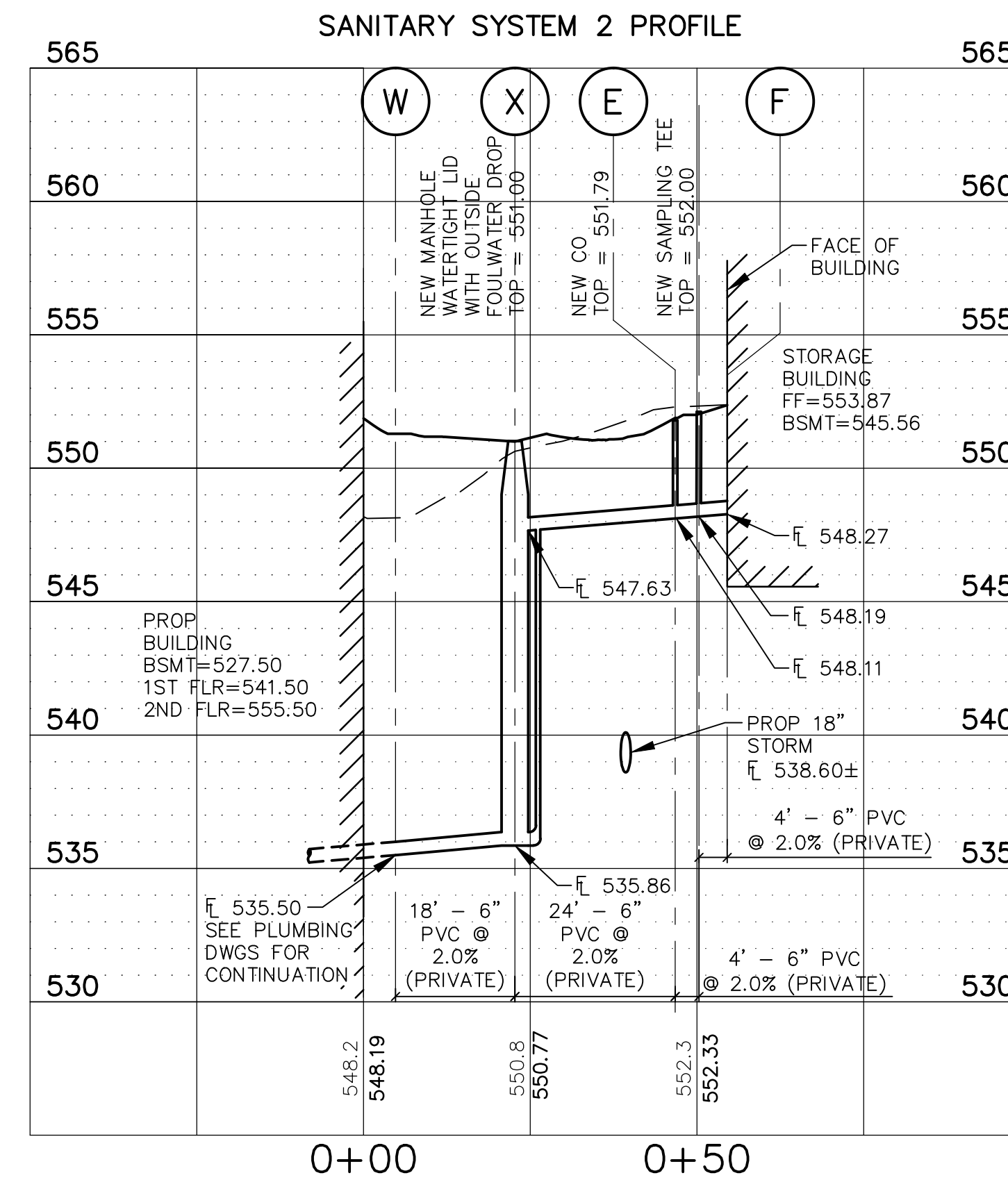
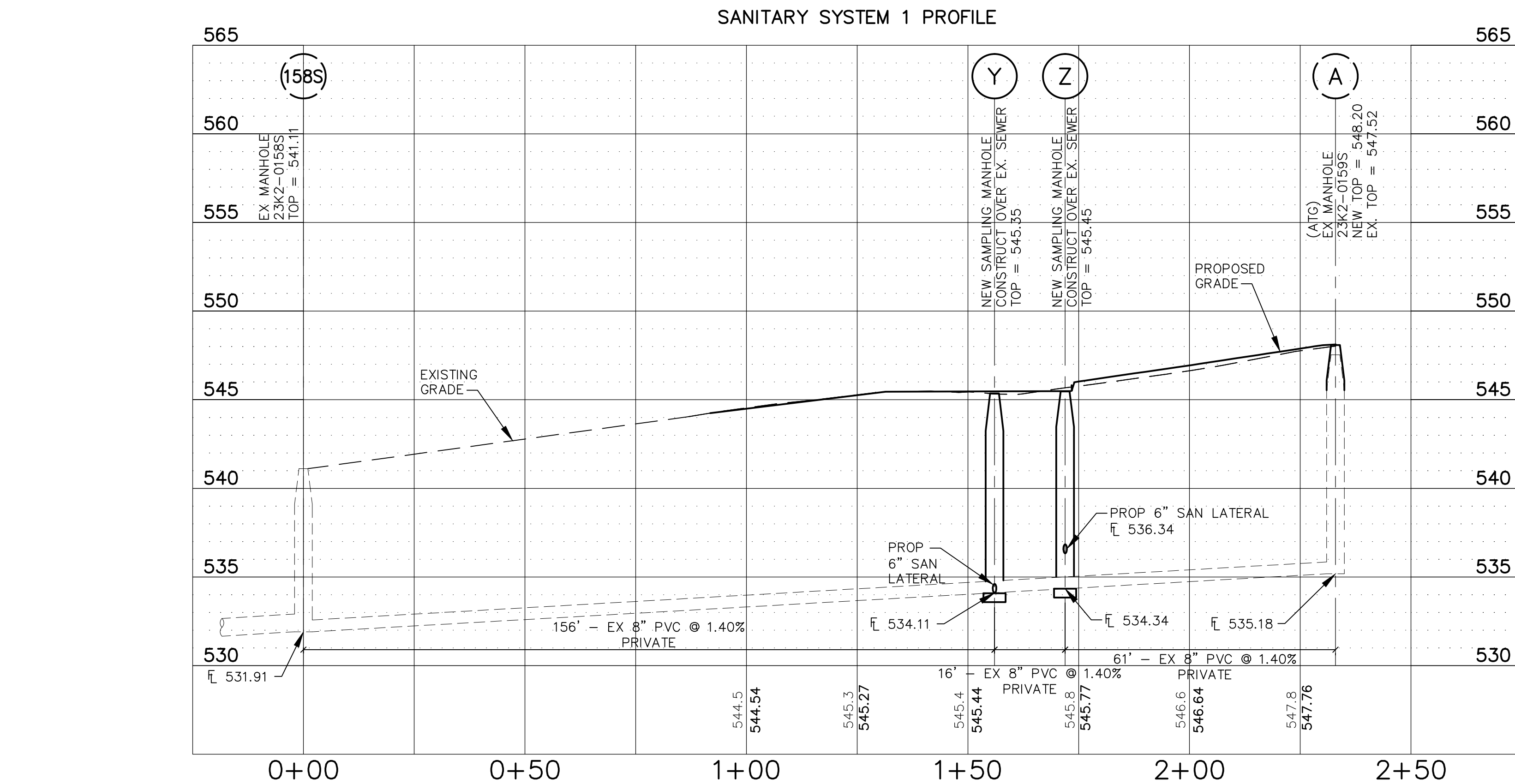
3	ADDENDUM 1-12	15 JUN 2016
2	ADDENDUM 1-10	5 MAY 2016
1	ADDENDUM 1-1	29 JAN 2016
-	ISSUED FOR CONSTRUCTION (BPI)	15 JAN 2016
No.	Description	Date



SITE IMPROVEMENT PLAN

Project No.: 04561.00 Checked by:

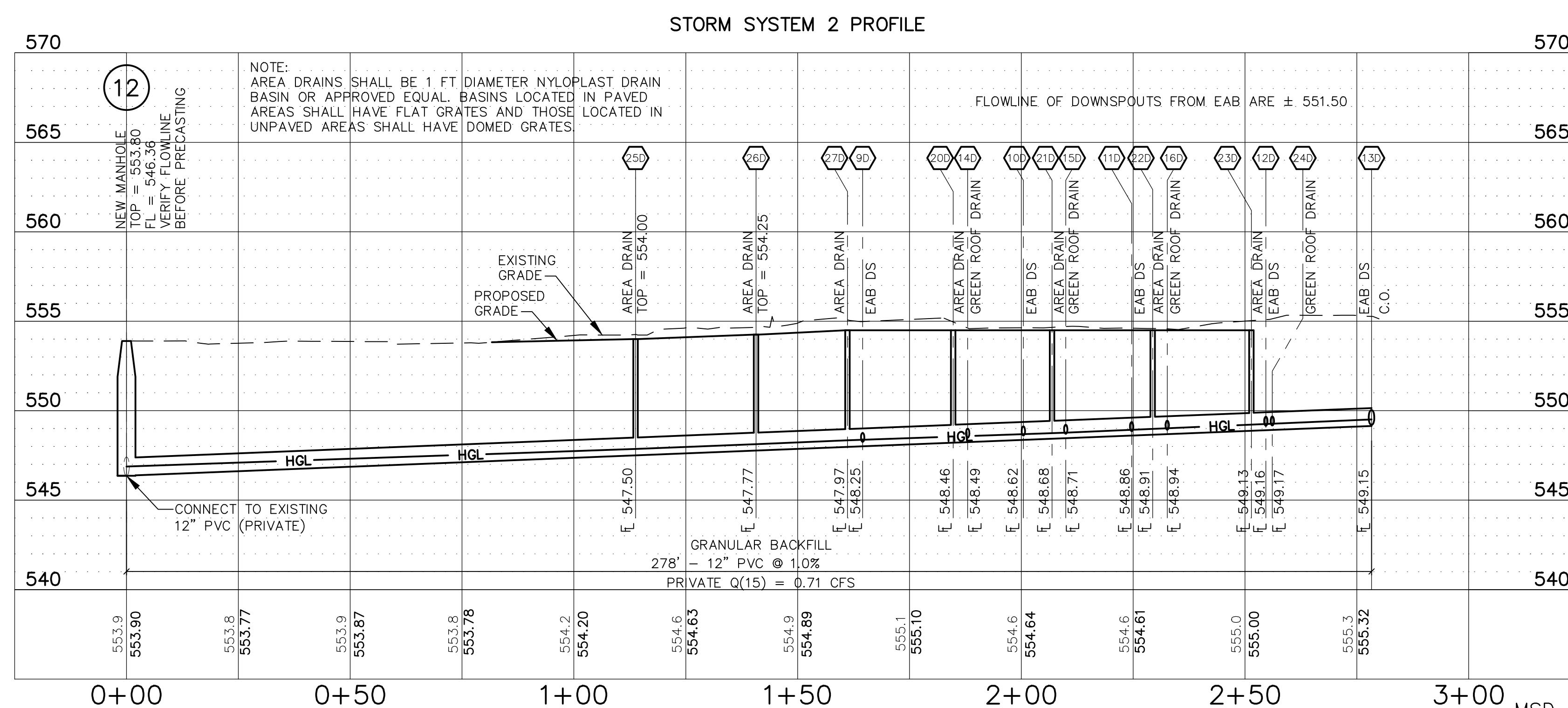
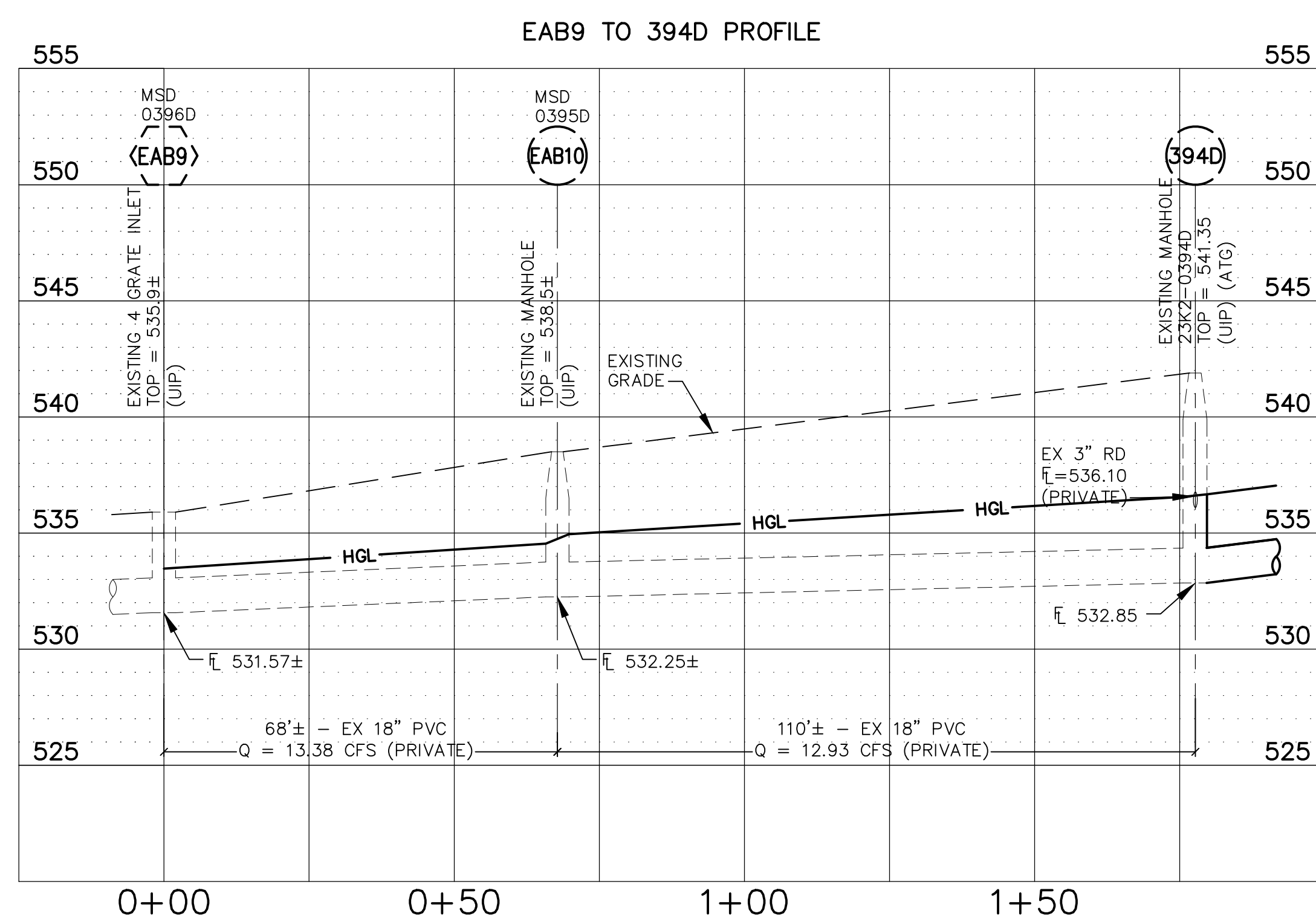
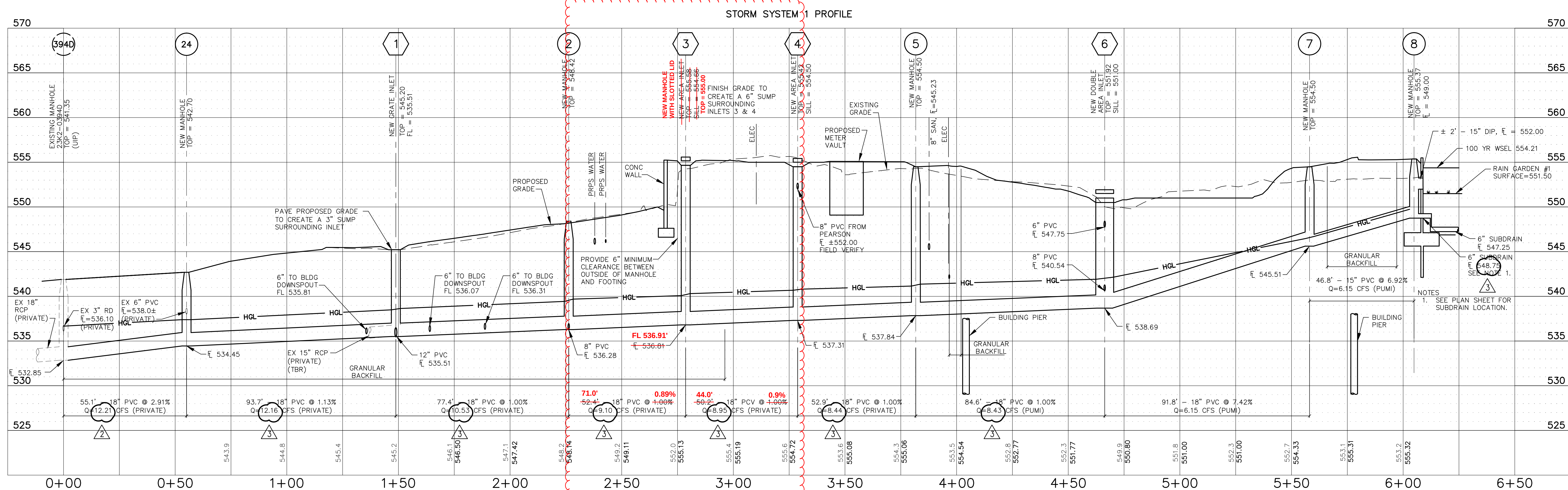
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STORM
SYSTEM

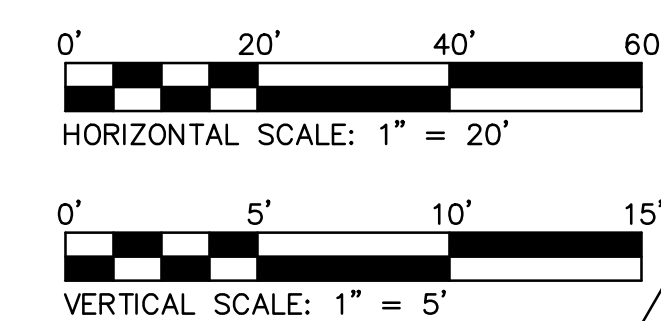
LOCATION

- SYSTEM
1. MAIN STORM SEWER
 2. DOWNSPOUT LATERAL SYSTEM FOR EAB
 3. THRU BUILDING SYSTEM
 4. INLET 11
 5. PLAZA TRENCH DRAIN
 6. AREA WELL EAST SIDE OF ISB
 7. AREA WELL NORTH OF WEST WING



NOTE:

FLOWS (Q) AND HYDRAULIC GRADE LINE
 (HGL) INFORMATION ARE FOR 100 YEAR 20
 MINUTE STORM EVENT EXCEPT AS NOTED.



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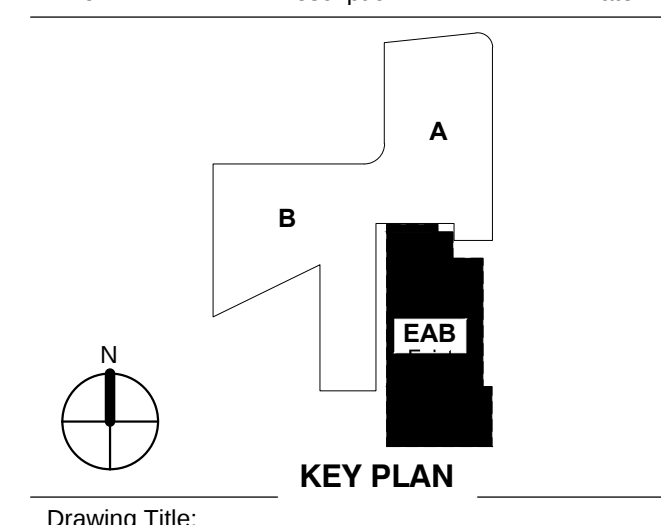
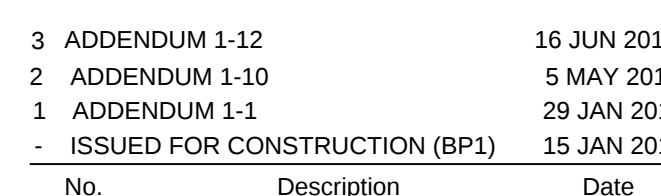
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SEWER PROFILES

Project No.: 04561.00 Checked by:

C600

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