

REFERENCE NOTES:

1. PROVIDE NEW TYPE 1 CATCH BASIN WITH GRATED LID PER WSDOT STANDARD PLAN 8-5.20-02. SEE DETAIL 2/C.501.
2. NOT USED.
3. PROVIDE NEW BIO-RETENTION SWALE PER DETAIL 4/C.501.
4. PROVIDE NEW 4\" SDR35 PVC STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.
5. PROVIDE NEW 6\" SDR35 PVC STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.
6. PROVIDE 2\" HOPE FORCE MAIN PIPE.
7. PROVIDE NEW 15\" SDR35 PVC STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.
8. PROVIDE NEW CLEANOUT TO GRADE PER DETAIL 8/C.501.
9. CONNECT TO BUILDING SCUPPER RAIN WATER LEADER. COORDINATE WITH ARCHITECTURAL PLANS A170 AND A.803.
10. DAYLIGHT 15\" STORM DRAINAGE PIPE INTO SITE SWALE. PROVIDE 15\" DUCTILE IRON PIPE FOR THE LAST 20' OF DRAINAGE PIPE.
11. PROVIDE NEW STORM WATER LIFT STATION WITH PUMP IN LOADING DOCK AREA PER DETAIL 7/C5.02. COORDINATE CONTROL PANEL LOCATION WITH ARCHITECT/OWNER.
12. PROVIDE NEW 8\" DUCTILE IRON STORM DRAINAGE EQUALIZER PIPE AT 0.0% SLOPE WITH INVERTS AT THE SWALE BOTTOM ELEVATION. LENGTH PER PLAN.
13. PROVIDE 3\" HOPE FORCE MAIN PIPE.
14. PROVIDE NEW HEAVY DUTY LIFT STATION PER DETAIL 6/C.502. COORDINATE CONTROL PANEL LOCATION WITH ARCHITECT/OWNER.
15. NOT USED.
16. PROVIDE NEW 8\" SDR35 PVC STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.
17. CONTRACTOR SHALL CONNECT FORCE MAIN TO EXISTING CATCH BASIN PER ELEVATION SHOWN.

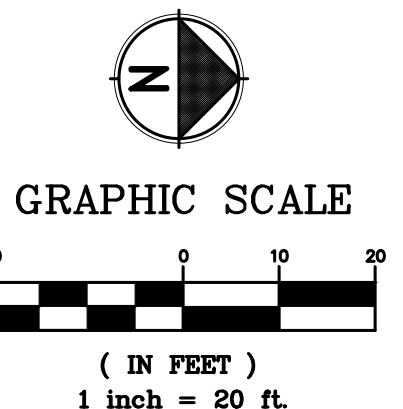
18. PROVIDE NEW 4\" DUCTILE IRON STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN. PIPE TO DAYLIGHT TO DRAINAGE CHANNEL.
19. NOT USED.
20. PROVIDE NEW HANDPLACED RIP-RAP PAD IN BOTTOM OF SWALE AT CURB INLET OR PIPE OUTLET. PAD SHALL BE A MINIMUM OF 12\" DEEP, 36\" WIDE AND 36\" LONG PLACE PERPENDICULAR TO PIPE/FLOW DISPERSION.

ENGINEER'S NOTES:

1. RM ELEVATIONS OF UTILITY STRUCTURES SHALL BE INSTALLED SO THAT RM ELEVATIONS MAY BE ADJUSTED 0.50'± TO MATCH FINISHED GRADES.
2. CONTRACTOR SHALL IDENTIFY PROPOSED FUTURE CONCRETE CURB LOCATIONS BEFORE INSTALLING STORM WATER STRUCTURES. CONTRACTOR SHALL NOT LOCATE DRAINAGE STRUCTURE LIDS IN CURB LOCATIONS.
3. CONTRACTOR SHALL SCARIFY SWALE AND ALL LANDSCAPE AREAS PRIOR TO INSTALLING SOD OR OTHER LANDSCAPE MATERIAL.
4. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD IF ANY STORM DRAINAGE PIPES ARE RECEIVING LOADING FROM THE BUILDING FOUNDATIONS.
5. FOUNDATION DRAIN AND ALL ASSOCIATED PIPING SHALL BE KEPT ENTIRELY SEPARATE FROM THE SITE STORM WATER SYSTEM, INCLUDING ALL ROOF DRAINS.

BIO-RETENTION SWALE "A"
TOTAL IMPERVIOUS AREA = 153,550 SF
TREATMENT VOLUME REQUIRED = 6,398 CF
TREATMENT VOLUME PROVIDED = 6,450 CF
BOTTOM AREA = 6,450 SF
BOTTOM ELEVATION = 2334.65
RM ELEVATION = 2335.65
BERM ELEVATION = 2337.15
SIDE SLOPE = WALLS

BIO-RETENTION SWALE "B"
TOTAL IMPERVIOUS AREA = 31,250 SF
TREATMENT VOLUME REQUIRED = 1,302 CF
TREATMENT VOLUME PROVIDED = 1,313 CF
BOTTOM AREA = 1,800 SF
BOTTOM ELEVATION = 2337.25
RM ELEVATION = 2337.90
BERM ELEVATION = 2338.45
SIDE SLOPE = 3:1



FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND EDCI ENGINEERS.

CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG