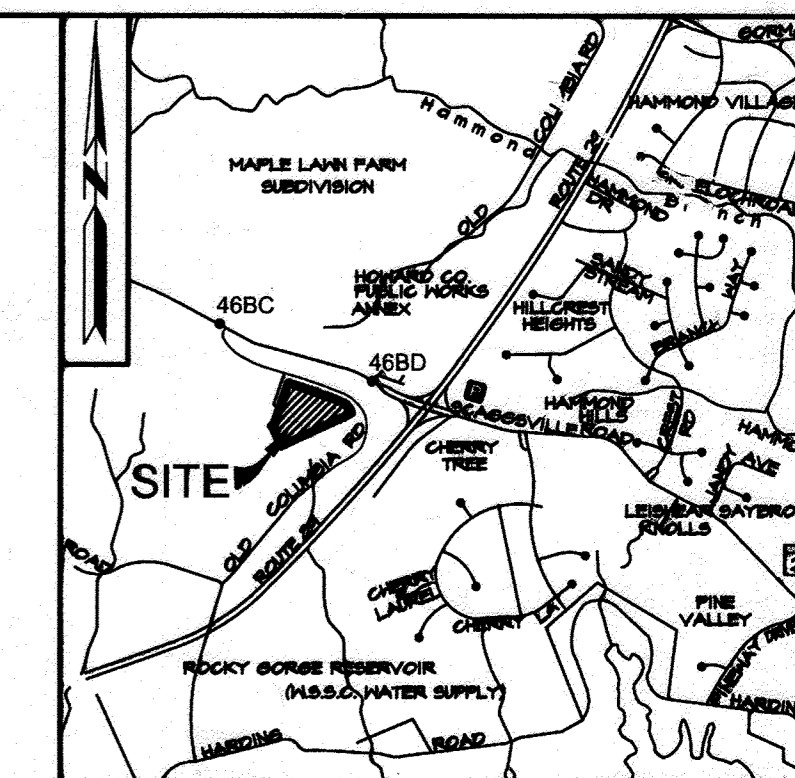


ST FRANCIS OF ASSISI CHURCH WATER & SEWER EXTENSION HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON JUNE 2004 BY KCI TECHNOLOGIES INC.

THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/M AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 46BC AND NO. 46BD.

ALL VERTICAL CONTROLS ARE BASED ON NAVD 88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE IRON BARS.

ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.

FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.

WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS ARE INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT & T	1-800-252-1155
BGE (CONSTRUCTION SERVICES)	410-250-4620
BGE (EMERGENCY)	410-685-1400
BUREAU OF UTILITIES	410-315-4400
COLONIAL PIPELINE COMPANY	410-785-1390
MISS UTILITY	1-800-251-7777
STATE HIGHWAY ADMINISTRATION	410-551-5555
VERIZON	1-800-743-0033/410-224-4210

TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.

THE CONTRACTOR SHALL REMOVE TREES, STUMPS, AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)315-1450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPM REQUIREMENTS PER SECTION 18.11(A) OF THE HOWARD COUNTY CODE.

WATER NOTES

ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.

TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 4'-0" OF COVER UNLESS OTHERWISE NOTED.

VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

SEWER NOTES

ALL SEWER MAINS SHALL BE DIP OR P.V.C. UNLESS OTHERWISE NOTED.

ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.

MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.

MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 65.52. WHERE WATERTIGHT FRAME AND COVER IS USED, SET TOP OF FRAME 6" ABOVE FINISHED GR. DE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE STANDARD SPECIFICATION, SDP-09-03

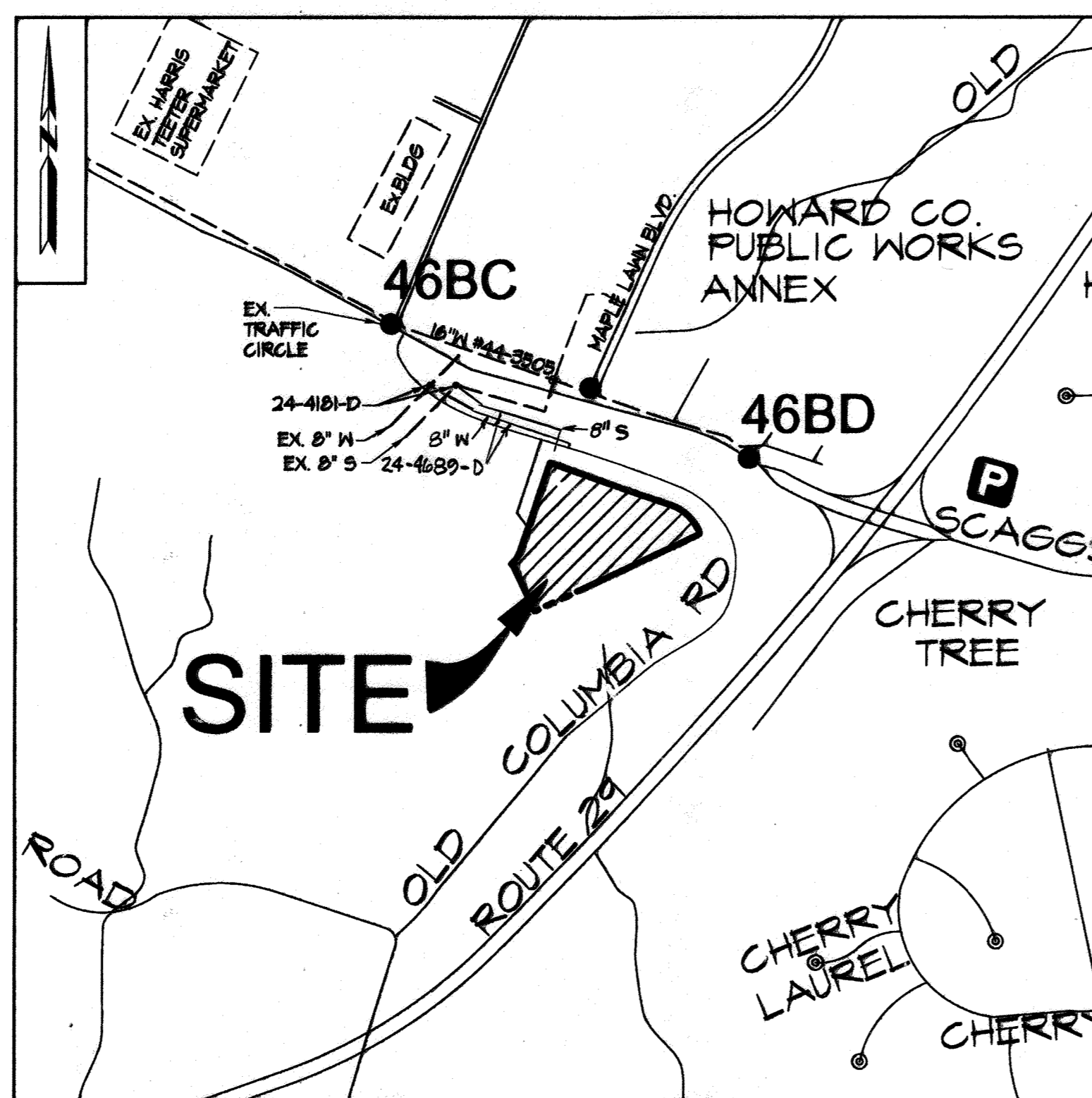
REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA - NATURAL RESOURCES CONSERVATION SERVICE
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
John R. Robertson
DATE: 4/14/11

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 31024. EXPIRATION DATE: 11-21-12.

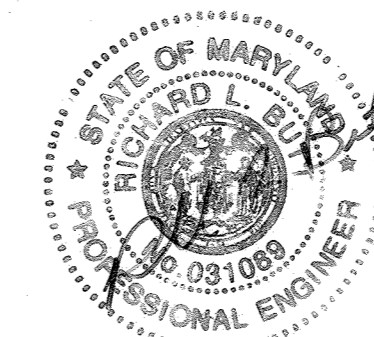
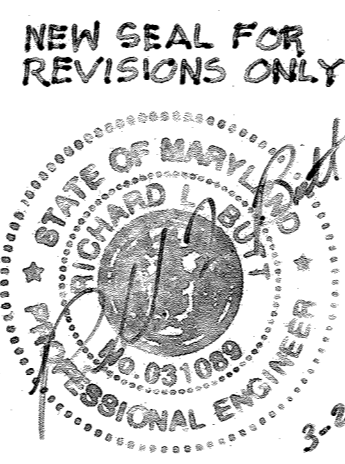
OWNER/DEVELOPER CERTIFICATION:
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 31689. EXPIRATION DATE: 11-21-12.



LOCATION MAP
SCALE: 1" = 600'

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 33922. Expiration Date: 06-16-15



NEW SEAL AND SIGNATURE FOR REVISIONS ONLY

LEGEND

	DECIDUOUS TREE		EXISTING FIRE HYDRANT
	CONIFEROUS TREE		EXISTING VALVE
	TRAVERSE POINT		EXISTING WATER MAIN
	WATER MAIN		EXISTING GAS MAIN
	SEWER MAIN		EXISTING UNDERGROUND ELECTRIC
	PVC		EXISTING TELEPHONE LINE
	SHC		EXISTING FIBER OPTIC LINE
	VALVE		EXISTING SEWER MAIN
	FIRE HYDRANT		LIMIT OF DISTURBANCE
	MANHOLE		SILT FENCE
	BORING LOCATION		

TYPE OF BUILDING: INSTITUTIONAL
NUMBER OF PARCELS: 1
NUMBER OF SEWER HOUSE CONNECTIONS: 1
DRAINAGE AREA: MIDDLE PATIENT

HOWARD COUNTY GEODETIC SURVEY CONTROL
THE HORIZONTAL AND VERTICAL DATUM BASED ON NAD83/M (HORIZONTAL) NAVD88 (VERTICAL)
46 BC N 559428.126
E 1307205.771
ELEV. 472.196
46 BD N 538656.784
E 1304461.554
ELEV. 491.160

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	WATER & SEWER MAIN EXTENSION PLAN AND PROFILE
3	SEDIMENT & EROSION CONTROL PLAN
4	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
5	ONSITE WATER MAIN EXTENSION PLAN AND PROFILE

INDEX OF SHEETS

QUANTITIES				
ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER
8" PVC SEWER	LF.	699	685	JM EAGLE
4" DIA. PRECAST MH	EA.	4	4	CONTRACTORS PRE-CAST
8" DIP WATER	LF.	447	441	GRIFFIN
8" DIP WATER	LF.	33	31	GRIFFIN
8"x8" TAPPING SLEEVE	EA.	1	1	FORD METER COX
8"x6" TEE	EA.	1	1	TYLER
8"x6" TEE	EA.	3	3	TYLER
8" VALVE	EA.	2	3	AMERICAN FLOW CONTROL
8" VALVE	EA.	3	3	AMERICAN FLOW CONTROL
FIRE HYDRANT	EA.	3	3	AMERICAN FLOW CONTROL
1/8" HORIZ. BEND	EA.	4	4	TYLER
1/16" HORIZ. BEND	EA.	3	3	TYLER
8" CAP	EA.	2	2	TYLER
CLEANOUT	EA.	1	1	PRISM PRE-CAST

NAME OF UTILITY CONTRACTOR

CHECKBOX
AS-BUILT DATE: 11-20-12
SURVEY AND DRAFTING DIVISION

8300 OLD COLUMBIA ROAD FULTON, MD. PRIVATE WATER & SEWER SERVICES	
EXISTING WELL	TO BE ABANDONED IN 2016, UPON COMPLETION OF PWC
EXISTING SEPTIC SYSTEM	TO BE ABANDONED IN 2016, UPON COMPLETION OF SHC

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
KCI
TECHNOLOGIES
8161 MAPLE LAWN BLVD, SUITE 150
FULTON, MARYLAND 20759
PHONE: (410) 792-8086
FAX: (410) 792-7419
www.kci.com

OWNER/DEVELOPER
WILLIAM H. KEELER
THE MOST REVEREND ROMAN
CATHOLIC ARCHBISHOP
C/O GALLAGHER ET AL
210 N CHARLES ST. STE. 400
BALTIMORE, MD 21201-4029
PHONE: (410) 727-7702

DESIGN:	NAB	NAB	RELOCATE PROPOSED SEWER LINE	DATE
DRAWN:	NAB	KCI	EXTEND WATER MAIN ON SITE	11/16/11
CHECKED:	THM		AS-BUILT	11/29/12
DATE:	02-08-11	BY	NO.	
			REVISION	DATE

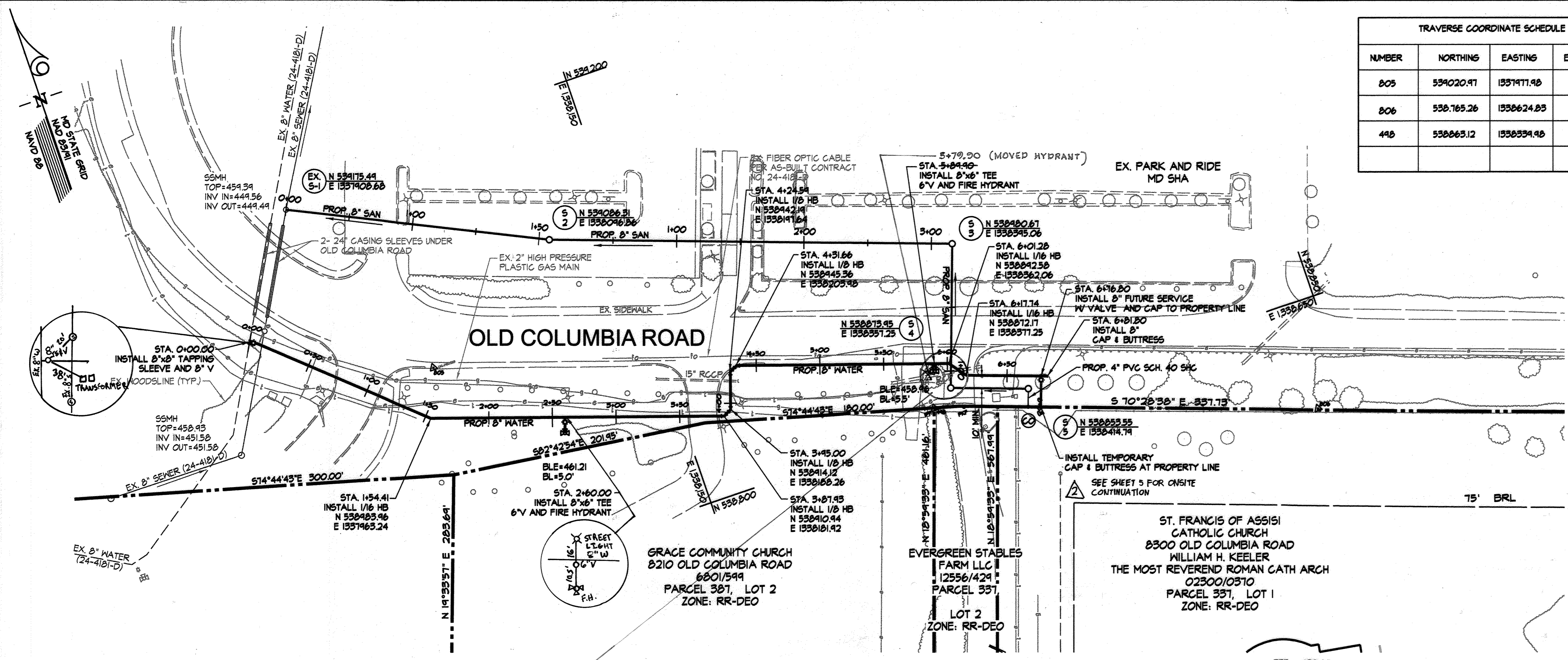
TITLE SHEET

ST. FRANCIS OF ASSISI CHURCH
WATER & SEWER EXTENSION

CONTRACT No. 24-4689D

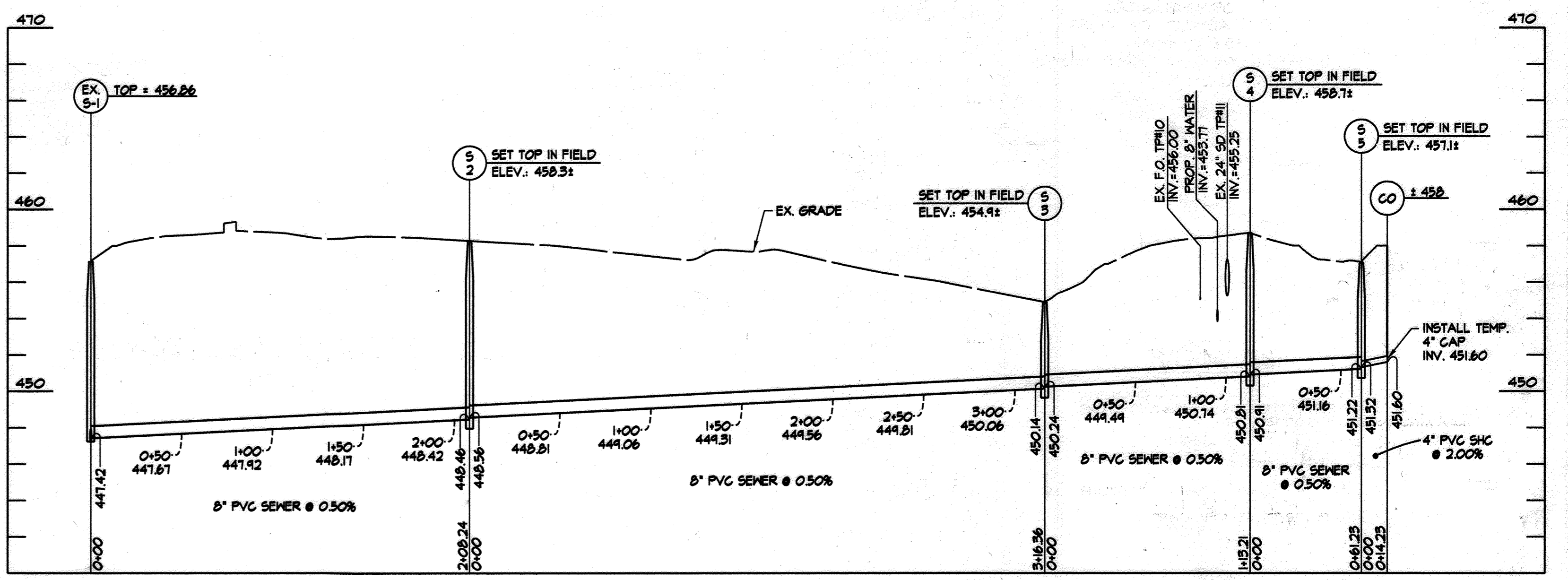
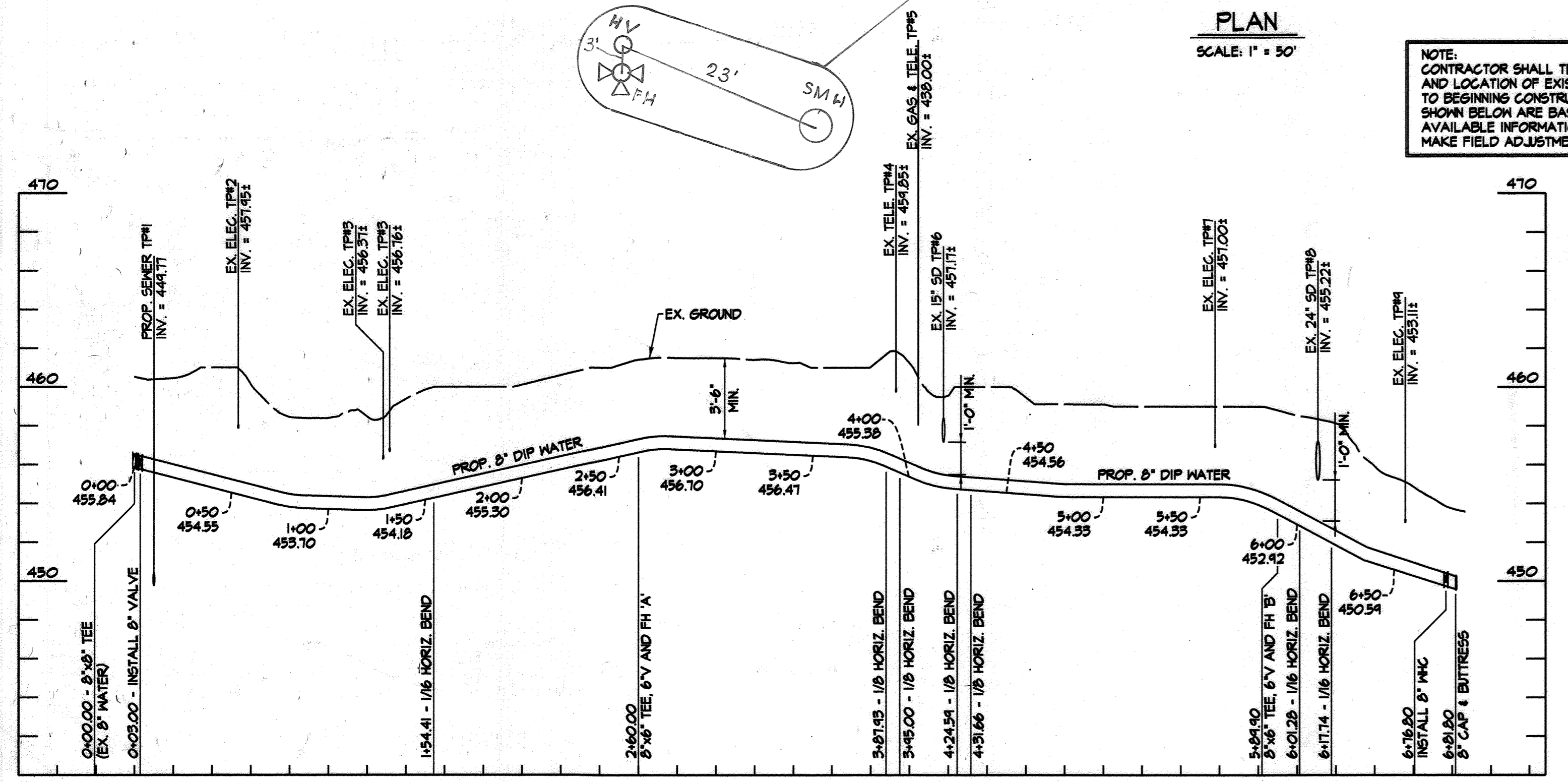
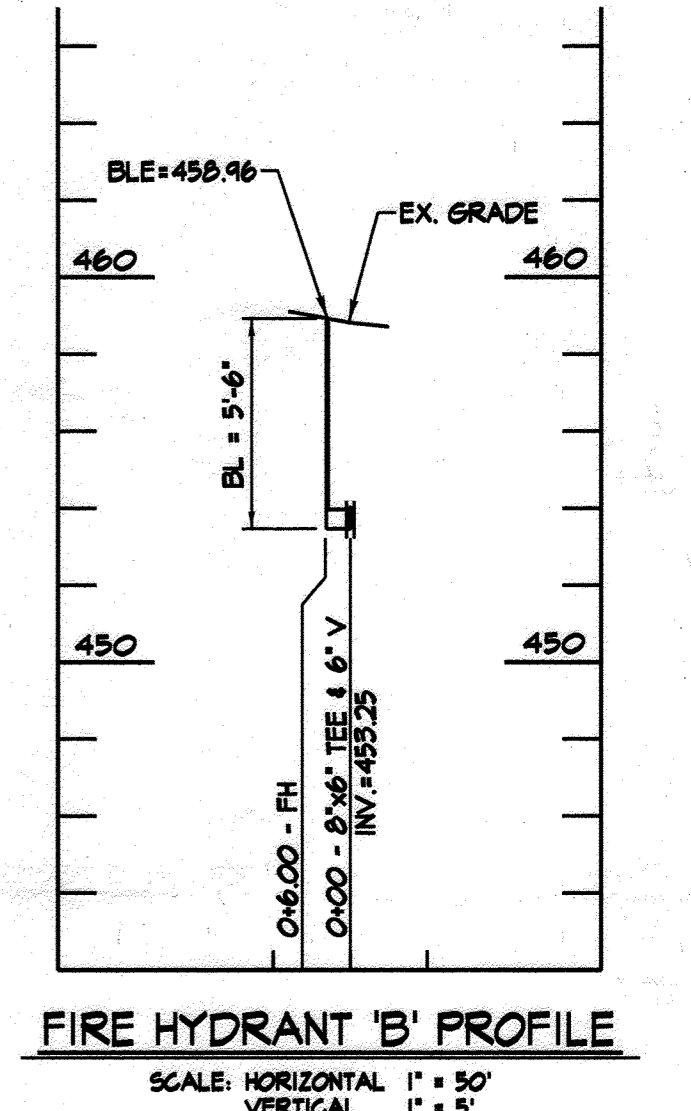
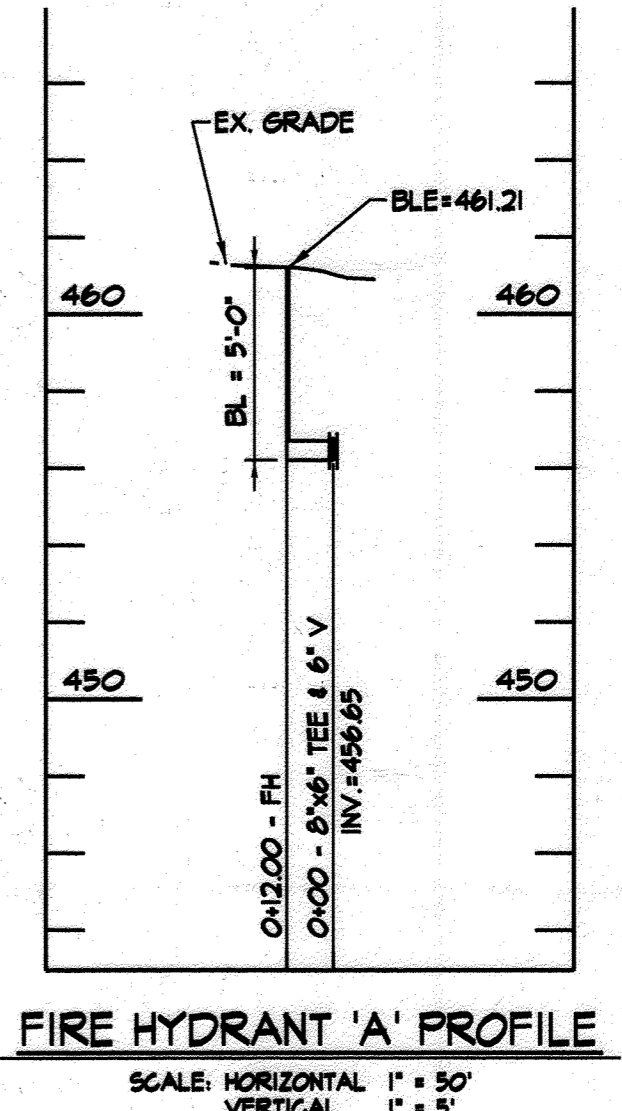
ELECTION DISTRICT NO. 05 HOWARD COUNTY, MARYLAND

SCALE
AS SHOWN
SHEET
1 OF 5



TRAVERSE COORDINATE SCHEDULE			
NUMBER	NORTHINGS	EASTINGS	ELEVATION
805	539020.91	157171.98	460.40
806	538765.26	1538624.83	444.30
448	538663.12	1538534.98	454.56

SANITARY STRUCTURE SCHEDULE					
SSMH No.	TYPE	TOP ELEV.	INV. IN	INV. IN	INV. OUT
S-1	EX. 48" SAN. MH	459.56	447.32(5)	447.42(E)	447.21
S-2	PRECAST 48" SAN. MH	SET TOP IN FIELD	---	448.56	448.46
S-3	PRECAST 48" SAN. MH	SET TOP IN FIELD	---	450.24	450.14
S-4	PRECAST 48" SAN. MH	SET TOP IN FIELD	---	450.91	450.81
S-5	PRECAST 48" SAN. MH	SET TOP IN FIELD	---	451.32	451.22
CO	CLEANOUT	SET TOP IN FIELD	---	---	451.60



SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE STANDARD SPECIFICATION. REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA - NATURAL RESOURCES CONSERVATION SERVICE
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SCD _____ DATE _____

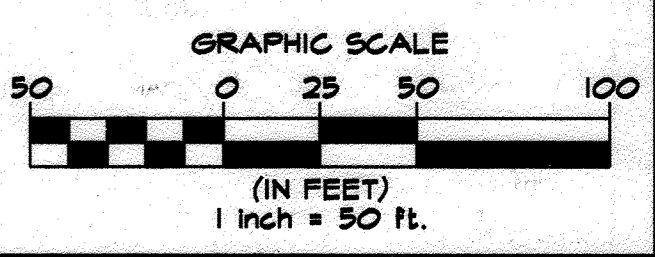
WATER PROFILE
 SCALE: HORIZONTAL 1" = 50'
 VERTICAL 1" = 5'

SEWER PROFILE
 SCALE: HORIZONTAL 1" = 50'
 VERTICAL 1" = 5'

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33712, EXPIRATION DATE: 06-16-15



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31081, EXPIRATION DATE: 11-21-12



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

 CHIEF, DEVELOPMENT ENGINEERING DIVISION

ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS

KCI
 TECHNOLOGIES
 8161 MAPLE LAWN BLVD., SUITE 150
 FULFORD, MARYLAND 20759
 PHONE: (410) 792-8086
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 www.kci.com

OWNER/DEVELOPER

WILLIAM H. KEELER
 THE MOST REVEREND ROMAN CATHOLIC ARCHBISHOP
 C/O GALLAGHER ET AL
 218 N CHARLES ST. STE. 400
 BALTIMORE, MD 21201-4035
 PHONE: (410) 721-7102

DESIGN:	NAB	1	REVISED PROPOSED SEWER ALIGNMENT	7-15-11
DRAWN:	NAB	2	EXTEND WATER MAIN ONSITE	11-16-11
CHECKED:	THM	4	AS BUILT (MOVED HYDRANT)	4/29/12
DATE:	02-08-11	BY:	NO.	REVISION

**WATER & SEWER MAIN EXTENSION
 PLAN AND PROFILE**

ST. FRANCIS OF ASSISI CHURCH
 WATER & SEWER EXTENSION

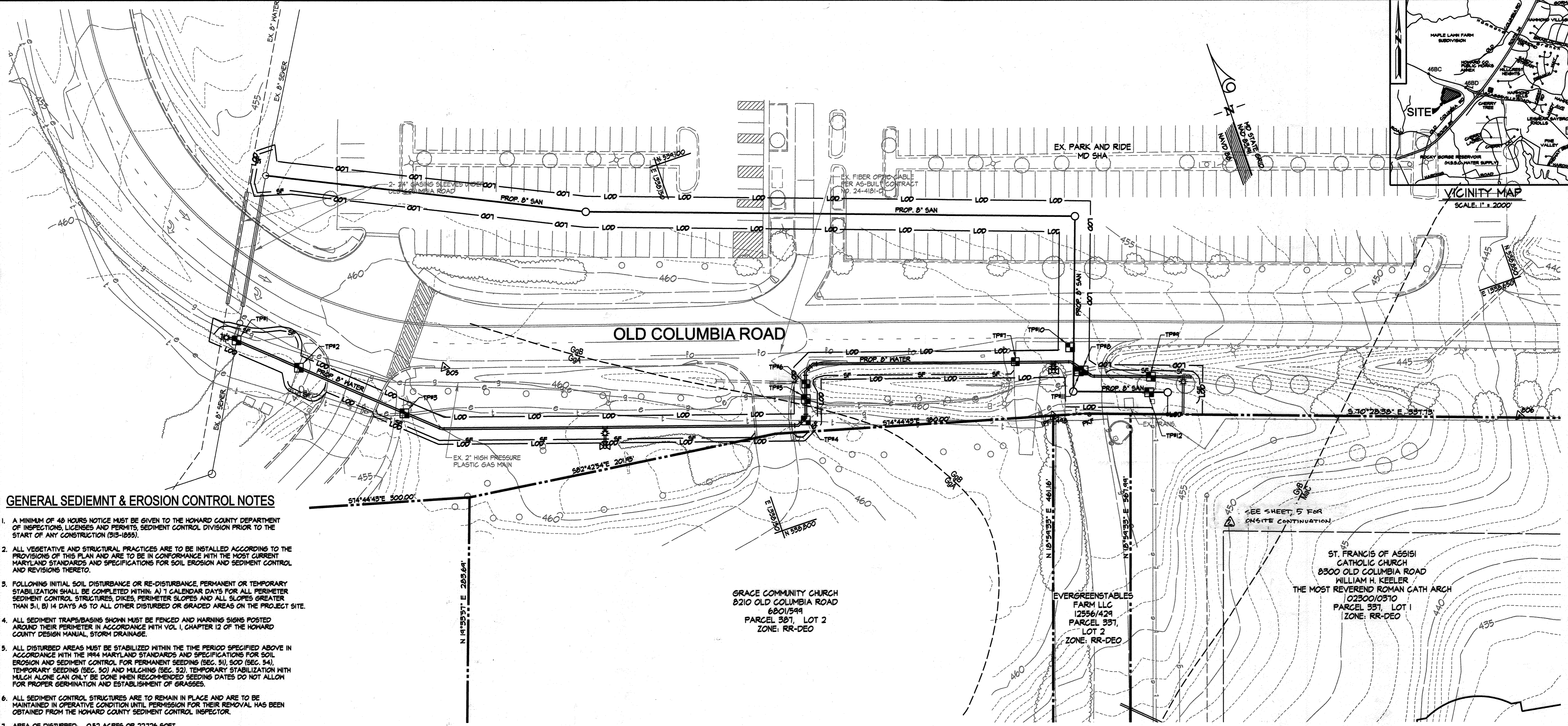
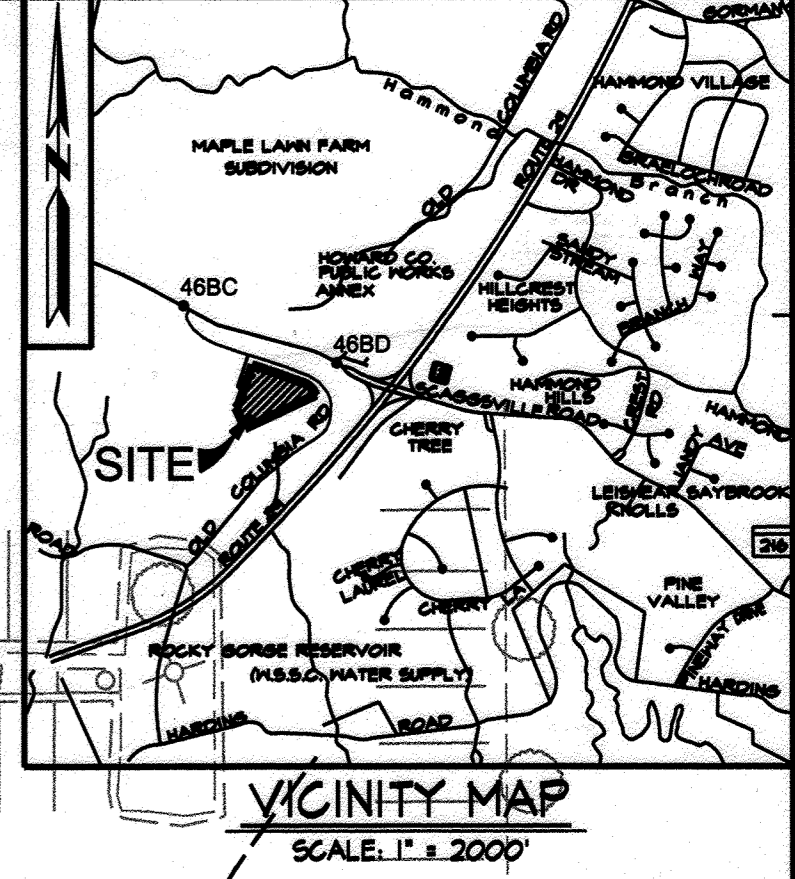
CONTRACT No. 24-4689D

ELECTION DISTRICT NO. 05
 HOWARD COUNTY, MARYLAND

SCALE
 AS SHOWN

SHEET
 2 OF 5

PLOTTED: 12:32 PM on Monday, August 01, 2011
 BY: Nicholas Barrick Division: P066 Land Develop
 FILE: M:\2008\1080593\Drawings\152-WATER-SEWER EX.TEN-PP.dwg



GENERAL SEDIEMNT & EROSION CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (915-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 91), SOO (SEC. 94), TEMPORARY SEEDINGS (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- AREA OF DISTURBED: 0.52 ACRES OR 22,126 SQFT
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADINGS. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE STANDARD SPECIFICATION.
 REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

LEGEND

---	PROPERTY LINE
---	EX. EDGE OF ROAD
- - - 460 - - -	EX. MINOR CONTOUR
- - - - -	EX. MAJOR CONTOUR
—○—	EX. ELECTRIC LINE
—●—	EX. TELEPHONE LINE
—○—	EX. FIBER OPTIC LINE
—○—	EX. WATER LINE
—○—	EX. SANITARY LINE
—○—	EX. STORM DRAIN LINE
○	EX. TREE
---	PROP. SANITARY SEWER
---	PROP. WATER
SF	SILT FENCE
LOD	LIMIT OF DISTURBANCE

SEDIMENT & EROSION CONTROL PLAN

SCALE: 1" = 30'



NEW SEAL AND SIGNATURE FOR REVISIONS ONLY

PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31089, EXPIRATION DATE: 11-21-12.

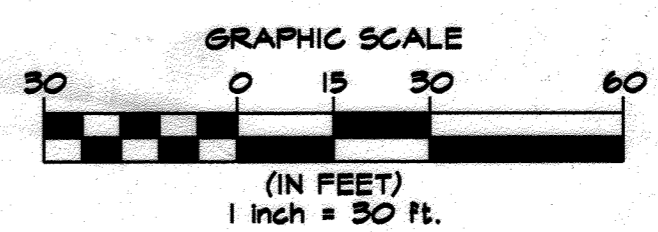


PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32712, EXPIRATION DATE: 06-16-13.

ST. FRANCIS OF ASSISI CATHOLIC CHURCH
 8300 OLD COLUMBIA ROAD
 WILLIAM H. KEELER
 THE MOST REVEREND ROMAN CATH ARCH
 102300/0310
 PARCEL 331, LOT 1
 ZONE: RR-DEO

SITE NOTES

- APPLICANT/PROPERTY OWNER: WILLIAM H. KEELER, THE MOST REVEREND ROMAN CATH ARCH, C/O GALLAGHER ET AL, 218 N. CHARLES ST. STE 400, BALTIMORE, MD 21201-4035
- SITE DATA: TAX MAP 46, GRID 3, TRACT ID NO: 1402518064, TRACT AREA: 543,193 SF. OR 12.41 AC. PART OF LOTS 1, FLAT NO. 10125, ELECTION DISTRICT: 5, ADC MAP: 14, GRID C-13, 200 SHEET NO.: 218NET, EXISTING ZONE: RR-DEO, SCHOOL PLANNING AREA: 112
- DEED REFERENCE: 02300/0510
- HORIZONTAL CONTROL SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY BY KCI TECHNOLOGIES DATED OCTOBER, 2006.
- THIS SITE LIES IN ITS ENTIRETY WITHIN ZONE 'C', AN AREA OF MINIMAL FLOODING, AS SHOWN ON FEMA FLOOD MAP NUMBER 2400440042B EFFECTIVE DATE 12/04/1986.
- ALL TRENCHES TO BE BACKFILLED AND TEMPORARILY STABILIZED AT THE END OF EACH WORK DAY.



PLOTTED: 12:32 PM on Monday, August 01, 2011
 BY: Nicholas Barrick, Division: P086, Land Develop, GMA, Emp
 FILE: \\MS-0008\60529253\CONTRMS\353-35363.dwg

USDA - NATURAL RESOURCES CONSERVATION SERVICE DATE
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SCD DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

William H. Keeler 8/12/11
 CHIEF, BUREAU OF UTILITIES DATE

Paul D. Williams 8/12/11
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS

KCI
 TECHNOLOGIES

8161 MAPLE LAWN BLVD., SUITE 150
 FULFORD, MARYLAND 20759
 PHONE: (410) 792-8086
 FAX: (410) 792-7419
 www.kci.com

OWNER/DEVELOPER

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 THE MOST REVEREND ROMAN
 CATHOLIC ARCHBISHOP
 C/O GALLAGHER ET AL
 218 N CHARLES ST. STE 400
 BALTIMORE, MD 21201-4035
 PHONE: (410) 121-7102

DESIGN:	NAB	1	REVISED PROPOSED SEWER ALIGNMENT	7-13-11
DRAWN:	NAB	2	EXTEND WATER MAIN ONSITE	11-16-11
CHECKED:	THM			
DATE:	02-08-11	BY	NO.	REVISION

SEDIMENT & EROSION CONTROL PLAN

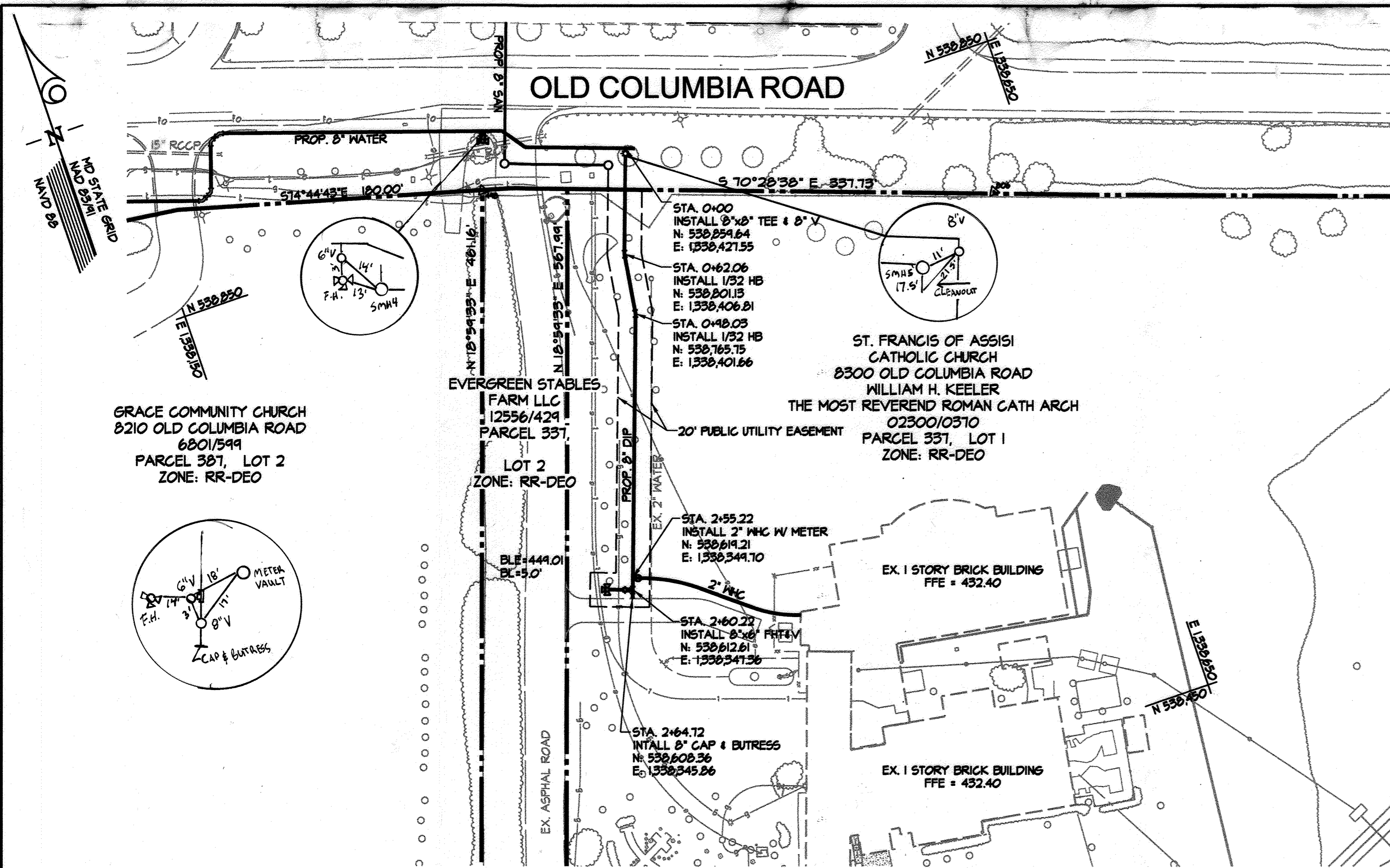
600' SCALE MAP NO. 46 BLOCK NO. 03

ST. FRANCIS OF ASSISI CHURCH
 WATER & SEWER EXTENSION

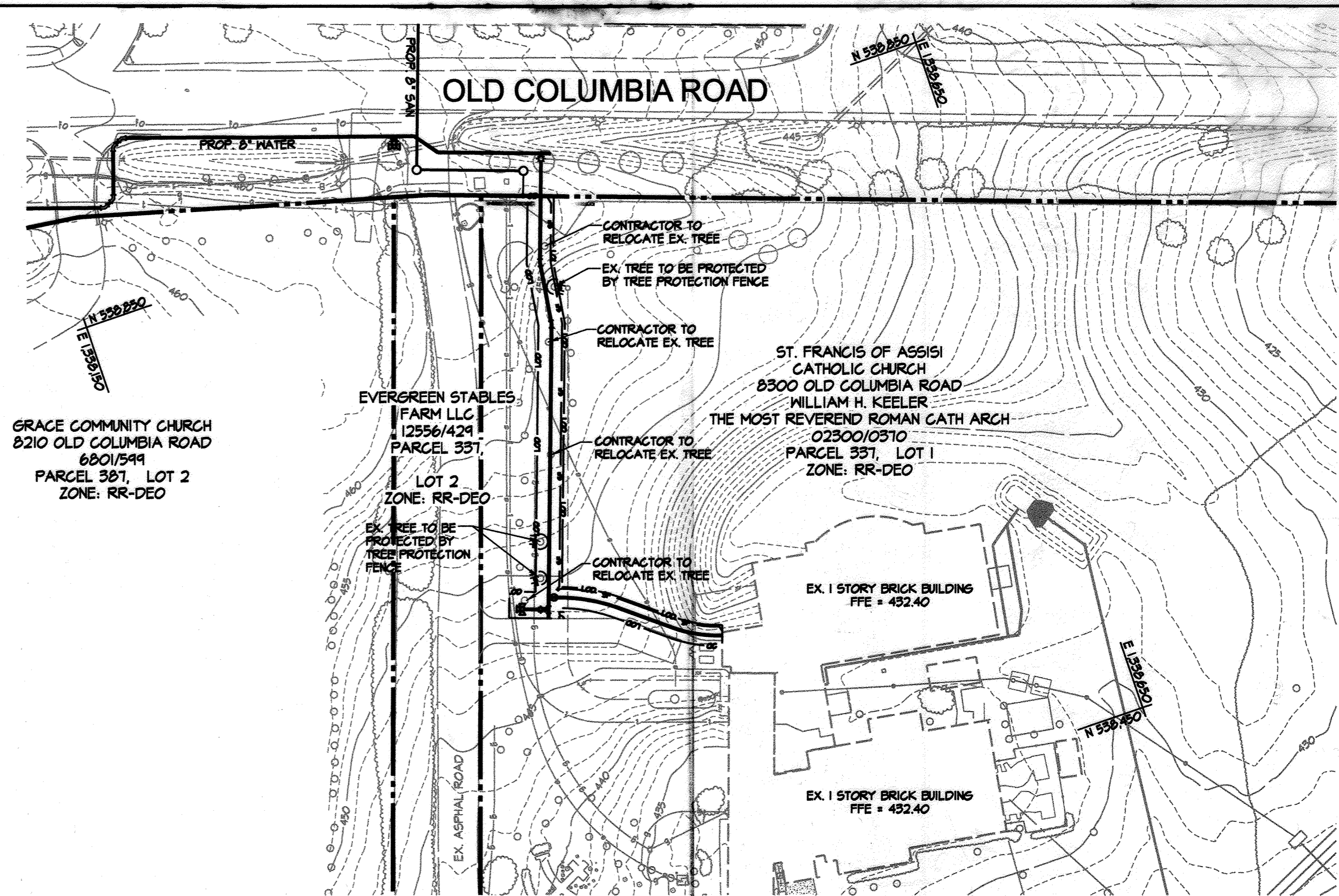
CONTRACT No. 24-4689D

ELECTION DISTRICT NO. 05
 HOWARD COUNTY, MARYLAND

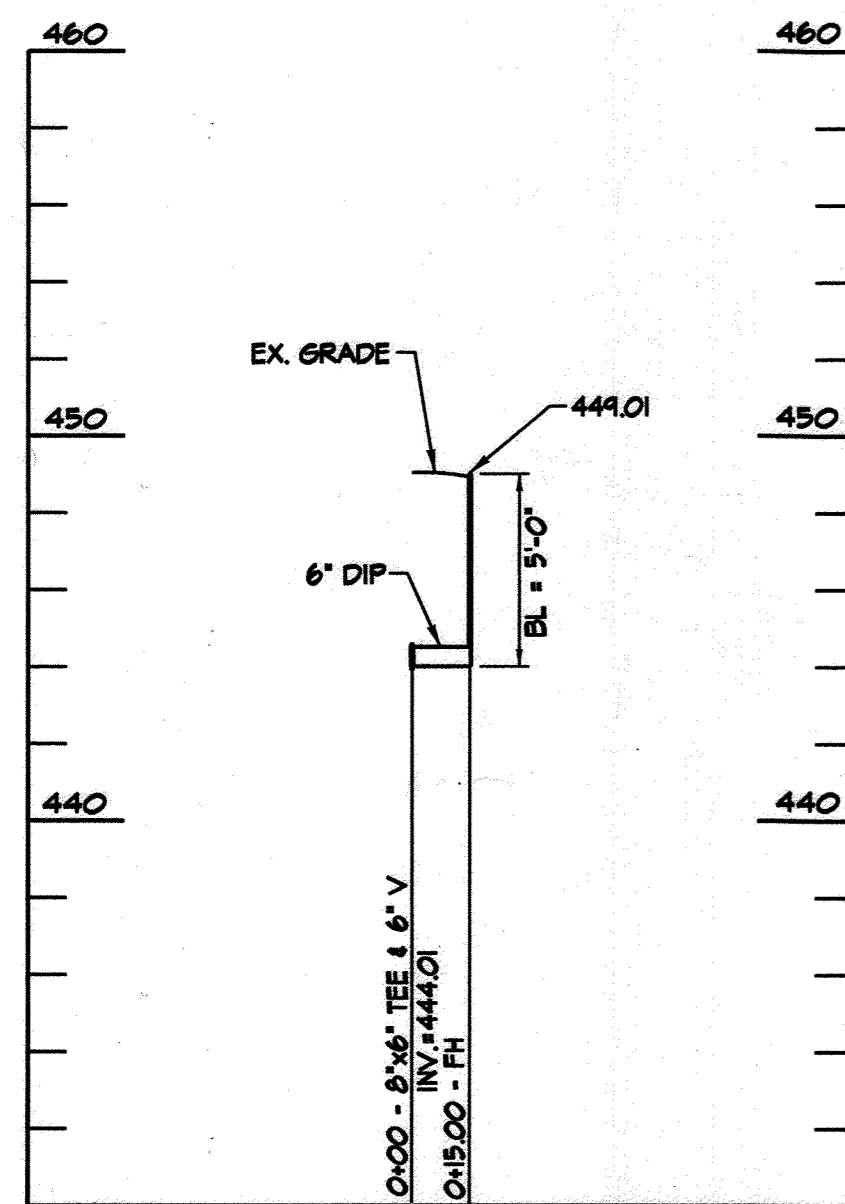
SCALE AS SHOWN
 SHEET 3 OF 5



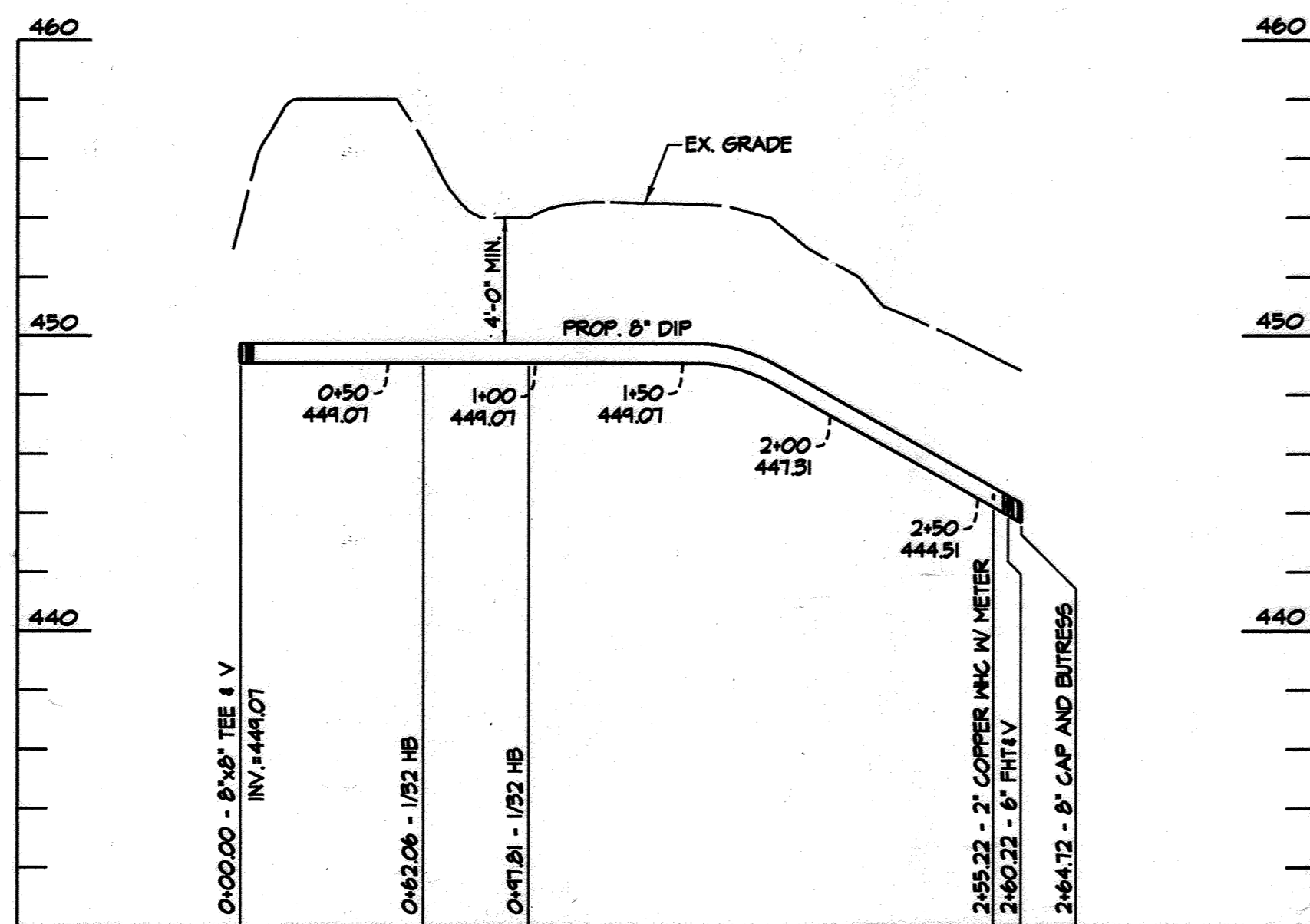
SITE PLAN
SCALE: 1" = 50'



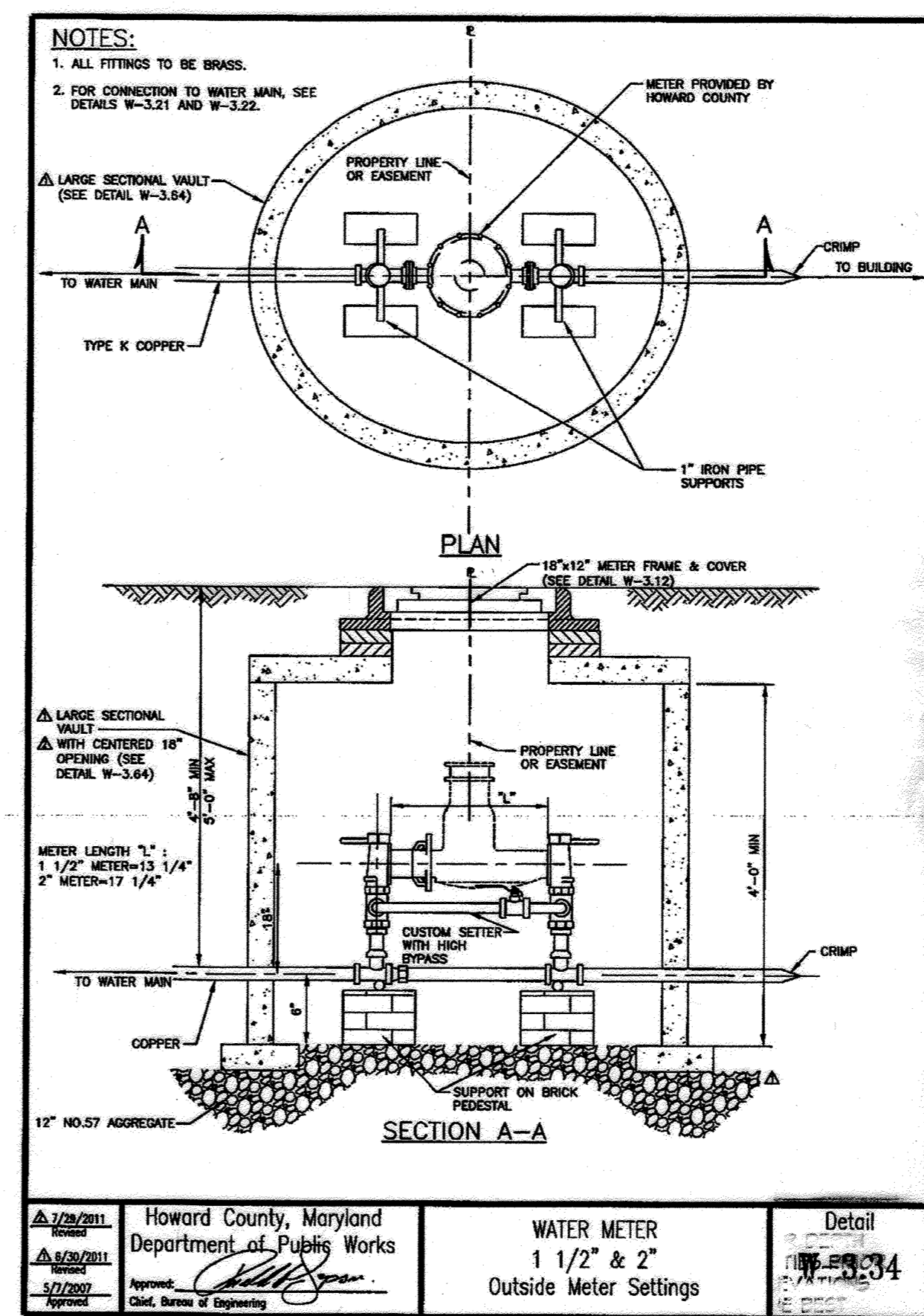
SEDIMENT & EROSION CONTROL PLAN
SCALE: 1" = 50'



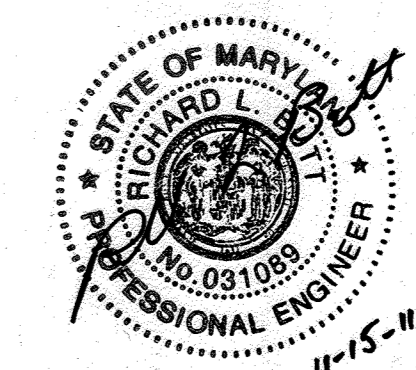
FIRE HYDRANT
SCALE: HOR. 1" = 50'
VERT. 1" = 5'



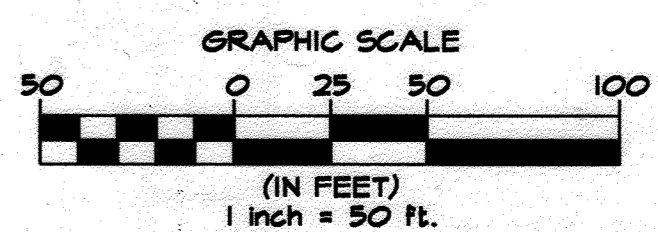
8" DIP WATER
SCALE: HOR. 1" = 50'
VERT. 1" = 5'



WATER METER
1 1/2" & 2"
Outside Meter Settings
Detail
11-21-12



NEW SEAL + SIGNATURE
FOR REVISIONS ONLY
PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31089, EXPIRATION DATE: 11-21-12



NOTE: CONTRACTOR SHALL TEST PIT FOR DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ELEVATIONS SHOWN BELOW ARE BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS REQUIRED.

PLOTTED: 11:18 AM on Monday, November 14, 2011
 BY: Nathan Nicosdemus Division: P086 Land Develop GMA Emp
 FILE: H:\2008\13055555\Drawings\WSE\1-5.dgn

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 USDA - NATURAL RESOURCES CONSERVATION SERVICE DATE
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SCD DATE

PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31089, EXPIRATION DATE: 11-21-12

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 11/21/11 DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 11/30/11 DATE

KCI TECHNOLOGIES
 ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS
 8161 MAPLE LAWN BLVD, SUITE 150
 FULFORD, MARYLAND 20759
 PHONE: (410) 792-8086
 FAX: (410) 792-7419
 www.kci.com

OWNER/DEVELOPER
 WILLIAM H. KEELER
 THE MOST REVEREND ROMAN CATHOLIC ARCHBISHOP
 C/O GALLAGHER ET AL
 218 N CHARLES ST, STE 400
 BALTIMORE, MD 21201-4035
 PHONE: (410) 721-7102

DESIGN:	NAB	2	EXTEND WATER MAIN ON SITE - NEW SHEET 5 OF 5	10-6-11
DRAWN:	KCE	3	As-QUILT	11-22-12
CHECKED:	THM			
DATE:	10-06-11	BY	NO.	REVISION

**WATER & SEWER MAIN EXTENSION
 PLAN AND PROFILE**

**ST. FRANCIS OF ASSISI CHURCH
 WATER & SEWER EXTENSION**
 CONTRACT No. 24-4684D
 ELECTION DISTRICT NO. 05
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN SHEET 2 OF 2