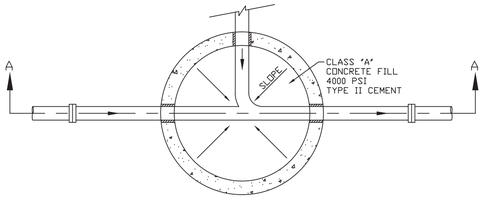
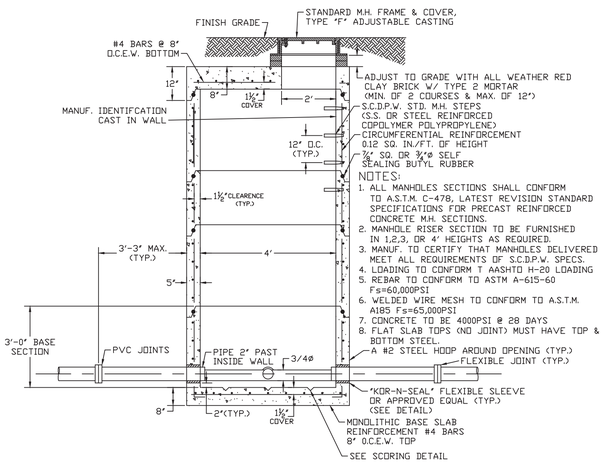


PLAN



SECTION A-A

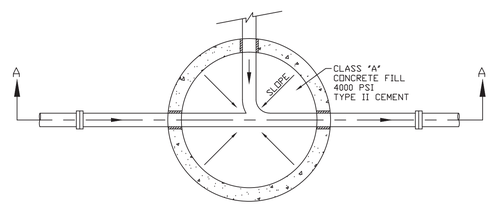
NOTES:

1. ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
2. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
3. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
4. LOADING TO CONFORM T AASHTO H-20 LOADING
5. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
6. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
7. CONCRETE TO BE 4000PSI @ 28 DAYS
8. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.

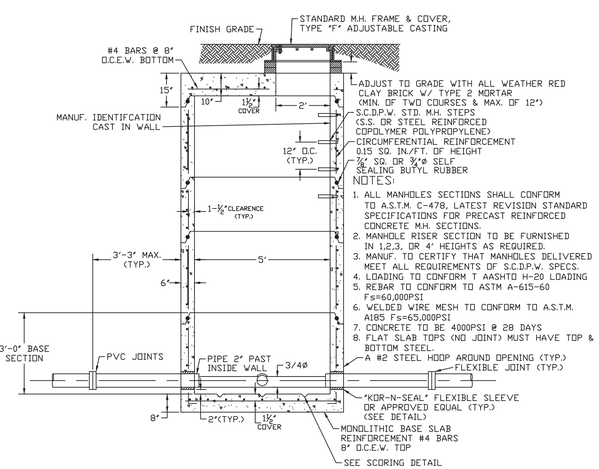
4' DIAMETER SANITARY SEWER MANHOLE

N.T.S.

REVISED 06/15



PLAN

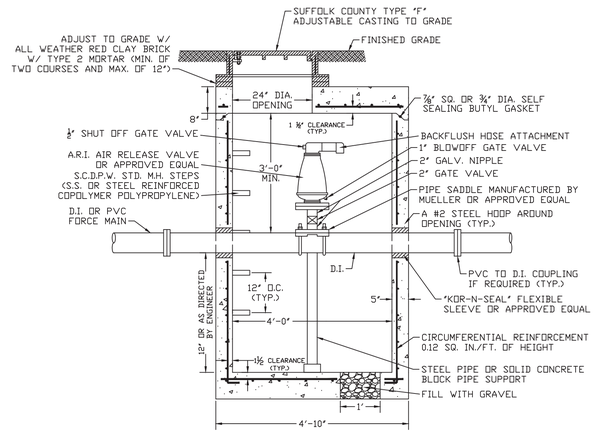


SECTION A-A

5' DIAMETER SANITARY SEWER MANHOLE

N.T.S.

REVISED 06/15



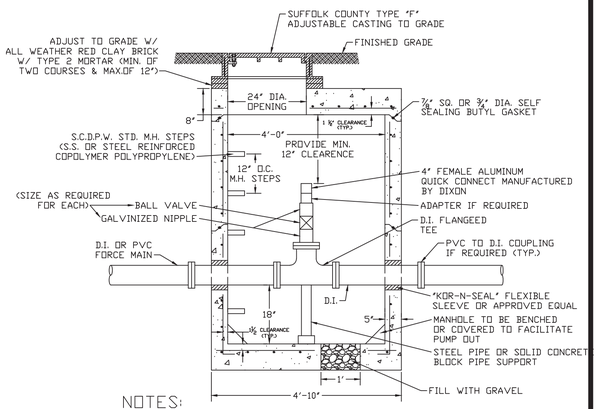
NOTES:

1. ALL MANHOLES SECTIONS SHALL CONFORM TO S.C.D.P.W. 4' DIA. SANITARY SEWER M.H. REQUIREMENTS & A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
2. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
3. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
4. LOADING TO CONFORM T AASHTO H-20 LOADING
5. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
6. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
7. CONCRETE TO BE 4000PSI @ 28 DAYS
8. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.
9. BOTTOM SLAB MANUFACTURED WITH 12" OPENING OR CORE IN FIELD

TYPICAL AIR RELEASE VALVE MANHOLE DETAIL

N.T.S.

REVISED 06/15



NOTES:

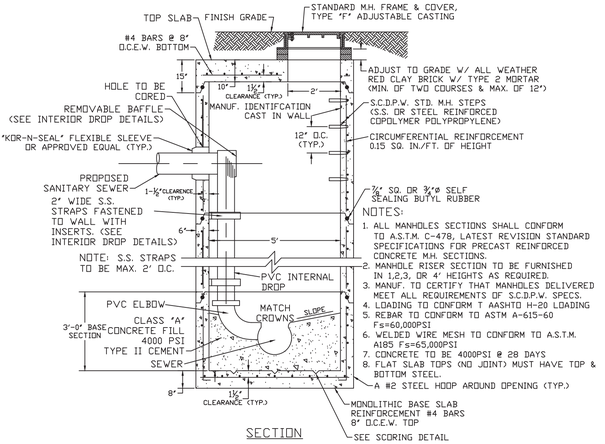
1. ALL MANHOLES SECTIONS SHALL CONFORM TO S.C.D.P.W. 4' DIA. SANITARY SEWER M.H. REQUIREMENTS & A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
2. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
3. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
4. LOADING TO CONFORM T AASHTO H-20 LOADING
5. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
6. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
7. CONCRETE TO BE 4000PSI @ 28 DAYS
8. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.
9. BOTTOM SLAB MANUFACTURED WITH 12" OPENING OR CORE IN FIELD

DRAIN MANHOLE

N.T.S.

REVISED 06/15

REVISED 06/15



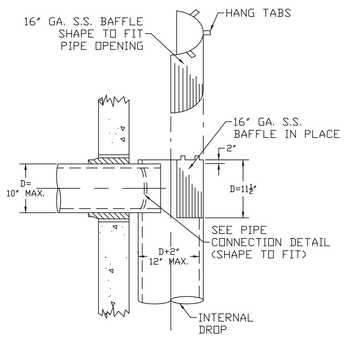
SECTION

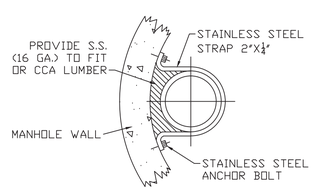
NOTES 1) AN INTERNAL DROP ASSEMBLY SHALL BE USED AT ALL LOCATIONS WHERE THE INVERT ELEVATIONS DIFFER BY MORE THAN 2 FEET.
2) A 5' DIAMETER MANHOLE SHALL BE USED WHERE INTERNAL DROP MANHOLES ARE REQUIRED.

5' DIAMETER INTERNAL DROP MANHOLE DETAIL

N.T.S.

REVISED 06/15



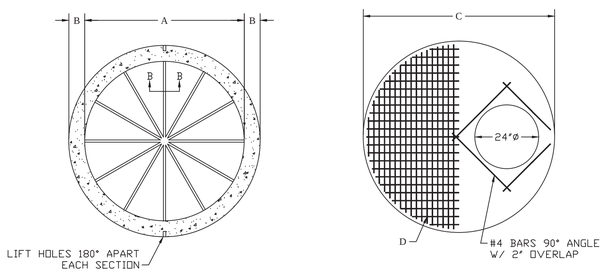


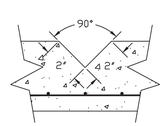
INTERNAL DROP MANHOLE DETAILS

N.T.S.

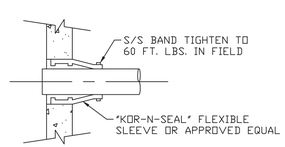
REVISED 06/15

A	B	C	D
5' M.H.	6"	6'-0"	#4 BARS @ 8" OCEW BOTTOM
4' M.H.	5"	4-10"	#4 BARS @ 8" OCEW BOTTOM





SECTION B-B
SCORING DETAIL
N.T.S.



PIPE CONNECTION DETAIL
N.T.S.

5'ø & 4'ø MANHOLE BASE SECTION & TOP SLAB

N.T.S.

REVISED 06/15

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

SYMBOL	DESCRIPTION	APPROVED	DATE
4			
3			
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

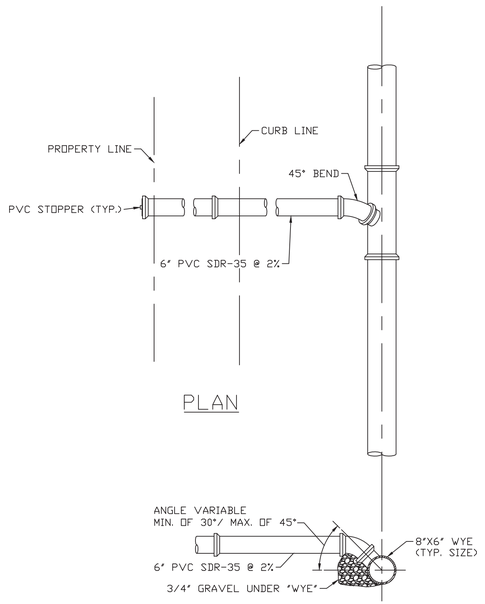
COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK
GILBERT ANDERSON, P.E. – COMMISSIONER

STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 1 OF 7

NOTE: MINIMUM DEPTH AT CURB LINE
6'-0" EXCEPT AS ORDERED BY ENGINEER



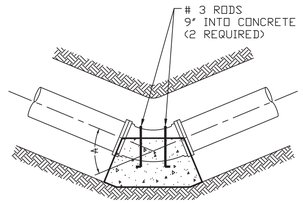
PLAN

SECTION

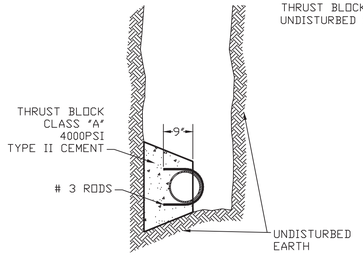
BUILDING CONNECTION DETAIL

N.T.S.

REVISED 06/15



PLAN



NOTE:
THRUST BLOCK TO BEAR ON
UNDISTURBED SOIL

SECTION

NOTE: MAX. TEXT PRESSURE 200 PSI

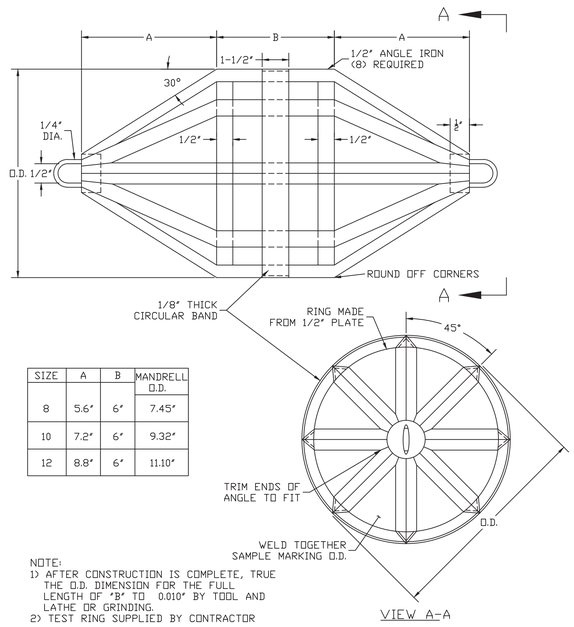
PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22-½° BEND
4"	1 ½	2	1	½
6"	3	4	2 ½	1 ½
8"	5	7	4	2
10"	7	10	5	2 ½
12"	10	15	7 ½	4
16",20",24"	16	24	12	6

THRUST BLOCK BEARING AREA
SQUARE FOOT BEARING AREA OF
BLOCKING ON UNDISTURBED EARTH

THRUST BLOCK DETAIL

N.T.S.

REVISED 06/15



SIZE	A	B	MANDRELL O.D.
8	5.6"	6"	7.45"
10	7.2"	6"	9.32"
12	8.8"	6"	11.10"

NOTE:
1) AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO 0.010" BY TOOL AND LATHE OR GRINDING.
2) TEST RING SUPPLIED BY CONTRACTOR

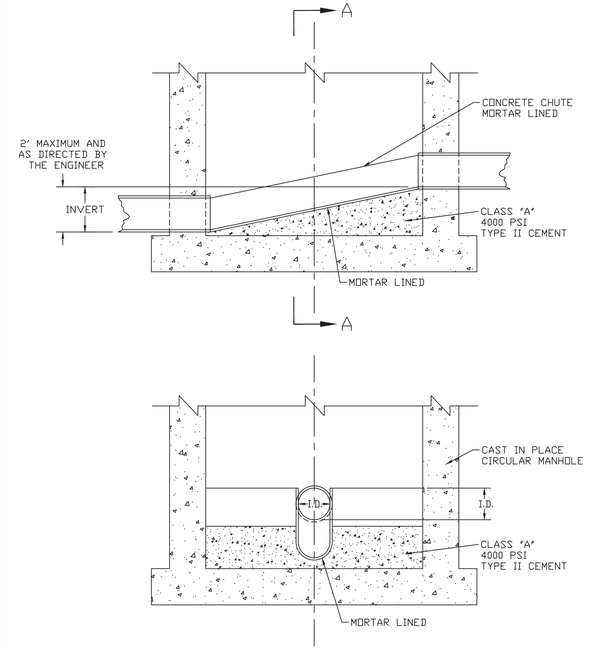
VIEW A-A

DEPARTMENT OF PUBLIC WORKS
SUFFOLK COUNTY, NEW YORK

GO, NO-GO DEFLECTION TESTING MANDRELL

N.T.S.

REVISED 06/15



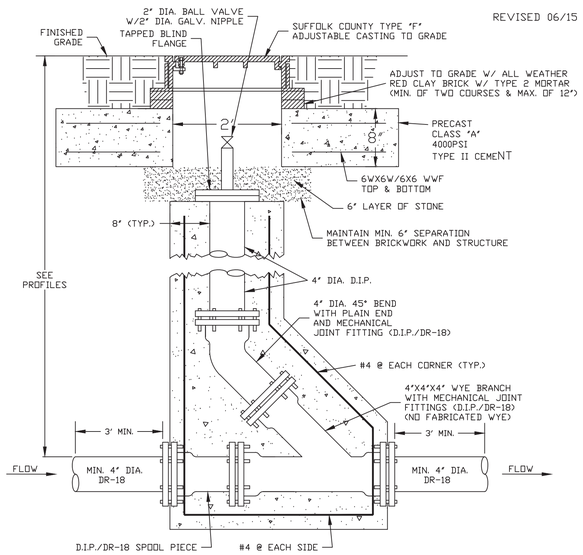
SECTION A-A

MANHOLE CHUTE

N.T.S.

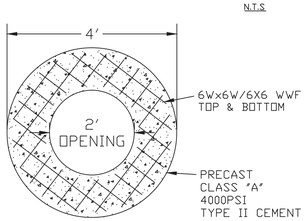
REVISED 06/15

REVISED 06/15

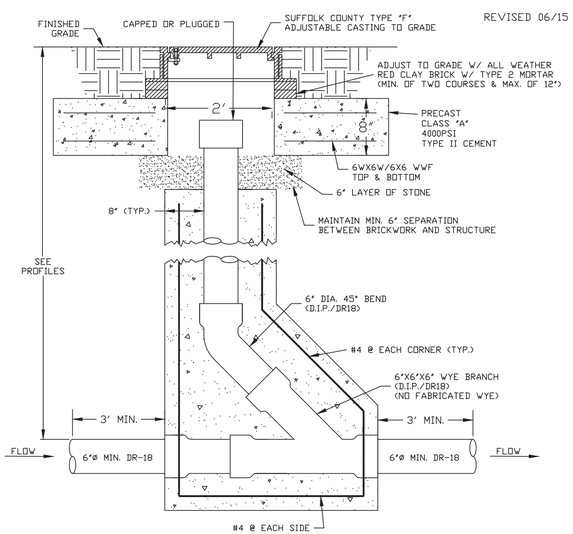


TYPICAL FORCE MAIN CLEAN-OUT DETAIL

N.T.S

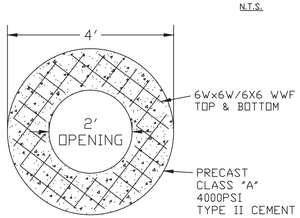


REVISED 06/15

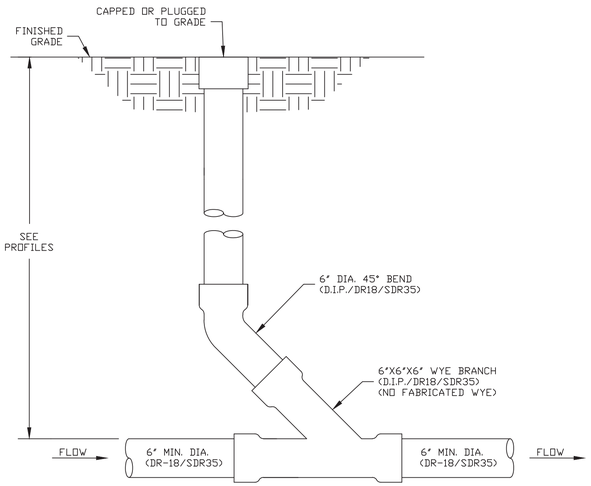


TYPICAL GRAVITY HOUSE CONNECTION IN ROADWAY CLEAN-OUT DETAIL

N.T.S.



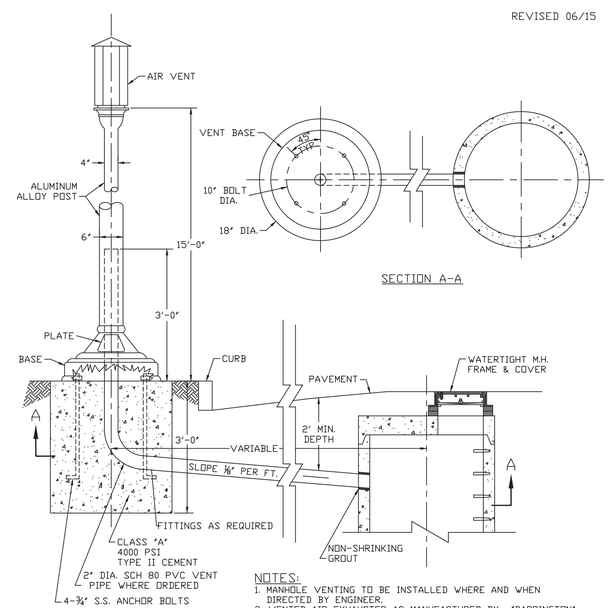
REVISED 06/15



TYPICAL GRAVITY HOUSE CONNECTION NON-PAVED AREA CLEAN-OUT DETAIL

N.T.S.

REVISED 06/15



SECTION A-A

NOTES:
1. MANHOLE VENTING TO BE INSTALLED WHERE AND WHEN DIRECTED BY ENGINEER.
2. VENTED AIR EXHAUSTER AS MANUFACTURED BY "BARRINGTON" CAST ALUMINUM POST CATALOG NO. B1212DR7-CA/BK-WPRT OR APPROVED EQUAL.

WATERTIGHT MANHOLE VENTING DETAIL

N.T.S.

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

SYMBOL	DESCRIPTION	APPROVED	DATE
4			
3			
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

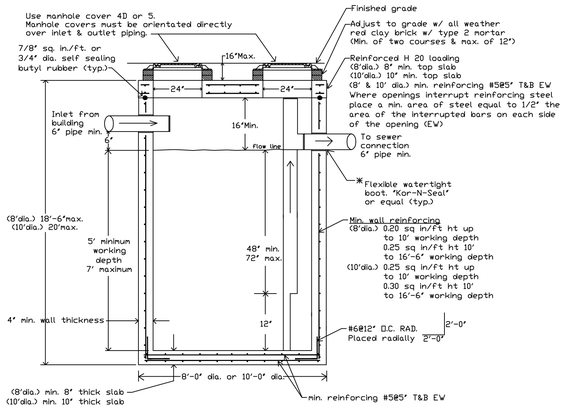
COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK
GILBERT ANDERSON, P.E. – COMMISSIONER

STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 2 OF 7

Suffolk County DPW
Division of Sanitation
Exterior **GREASE** Interceptor

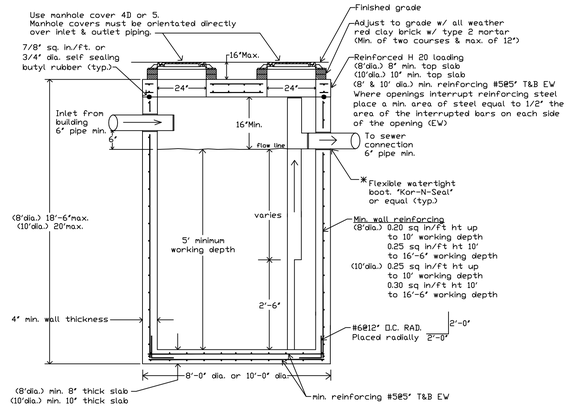


NOTES:

1) All interceptors must comply with ASTM C1613 and shall be designed by a professional engineer licensed in the State of New York.
2) When bottom slab will be below groundwater level design for flotation and provide hold down slab if needed.
3) Manhole cover 4D used for any areas subject to flooding.
4) Inlet & outlet pipes must be 180 degrees from each other.
5) The 'T' must also extend a min. of 16" above the invert of the outlet pipe with a min. of 6" clearence to the under side of the cast iron cover.
6) Top slabs must be set as close to grade a possible. Cast-iron covers shall be set with the min. depth of brick work as possible. This shall be accomplished with the use of full diameter width dummy rings. traffic bearing top slabs and/or shallow 2 hole domes.
7) Manolithic walls and bottom slab to a minimum of 4 inches above inlet boot.
8) Concrete to be min. 4000psi @ 28 days.
9) Rebar to conform to ASTM A-615-60 (Fy=60,000psi)
10) Welded wire mesh to conform to ASTM A185 (Fy=65,000psi)
11) Drawing not to scale.

REVISED 06/16

Suffolk County DPW
Division of Sanitation
Exterior **LINT** Interceptor

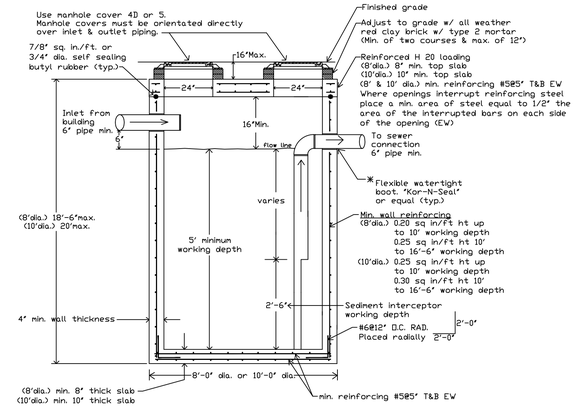


NOTES:

1) All interceptors must comply with ASTM C1613 and shall be designed by a professional engineer licensed in the State of New York.
2) When bottom slab will be below groundwater level design for flotation and provide hold down slab if needed.
3) Manhole cover 4D used for any areas subject to flooding.
4) Inlet & outlet pipes must be 180 degrees from each other.
5) The 'T' must also extend a min. of 16" above the invert of the outlet pipe with a min. of 6" clearence to the under side of the cast iron cover.
6) Top slabs must be set as close to grade a possible. Cast-iron covers shall be set with the min. depth of brick work as possible. This shall be accomplished with the use of full diameter width dummy rings. traffic bearing top slabs and/or shallow 2 hole domes.
7) Manolithic walls and bottom slab to a minimum of 4 inches above inlet boot.
8) Concrete to be min. 4000psi @ 28 days.
9) Rebar to conform to ASTM A-615-60 (Fy=60,000psi)
10) Welded wire mesh to conform to ASTM A185 (Fy=65,000psi)
11) Drawing not to scale.

REVISED 06/16

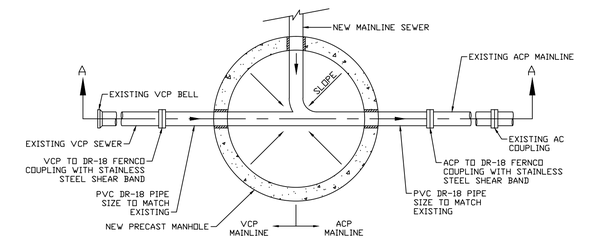
Suffolk County DPW
Division of Sanitation
Exterior **SEDIMENT** Interceptor



NOTES:

1) All interceptors must comply with ASTM C1613 and shall be designed by a professional engineer licensed in the State of New York.
2) When bottom slab will be below groundwater level design for flotation and provide hold down slab if needed.
3) Manhole cover 4D used for any areas subject to flooding.
4) Inlet & outlet pipes must be 180 degrees from each other.
5) The 'T' must also extend a min. of 16" above the invert of the outlet pipe with a min. of 6" clearence to the under side of the cast iron cover.
6) Top slabs must be set as close to grade a possible. Cast-iron covers shall be set with the min. depth of brick work as possible. This shall be accomplished with the use of full diameter width dummy rings. traffic bearing top slabs and/or shallow 2 hole domes.
7) Manolithic walls and bottom slab to a minimum of 4 inches above inlet boot.
8) Concrete to be min. 4000psi @ 28 days.
9) Rebar to conform to ASTM A-615-60 (Fy=60,000psi)
10) Welded wire mesh to conform to ASTM A185 (Fy=65,000psi)
11) Drawing not to scale.

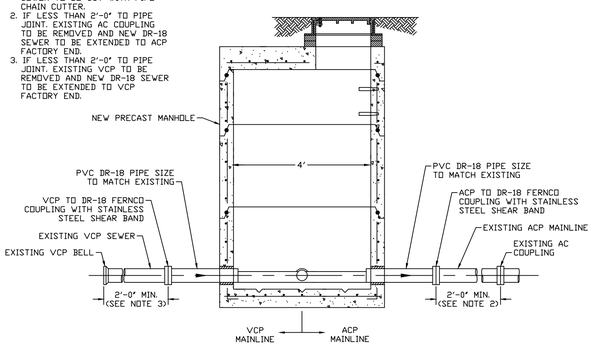
REVISED 06/16



PLAN

NOTES:

1. EXISTING ACP OR VCP MAINLINE SEWER TO BE CUT WITH PIPE CHAIN CUTTER.
2. IF LESS THAN 2'-0" TO PIPE JOINT, EXISTING AC COUPLING TO BE REMOVED AND NEW DR-18 SEWER TO BE EXTENDED TO ACP FACTORY END.
3. IF LESS THAN 2'-0" TO PIPE JOINT, EXISTING VCP TO BE REMOVED AND NEW DR-18 SEWER TO BE EXTENDED TO VCP FACTORY END.



SECTION A-A

NEW MAINLINE SEWER CONNECTION TO EXISTING ACP/VCP SEWER

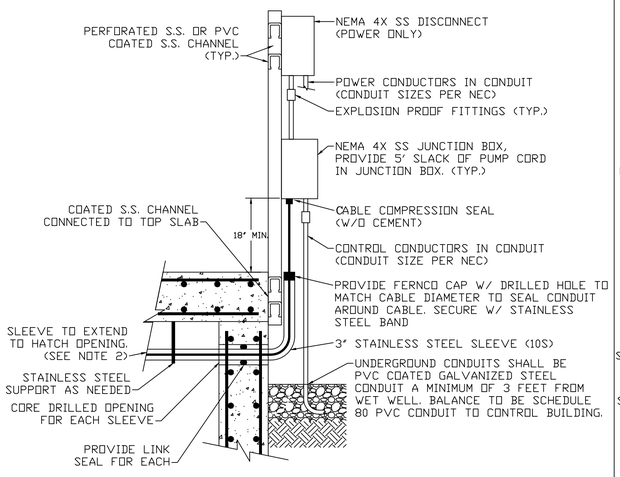
N.T.S.

REVISED 08/15

REVISED 06/15

NOTES:

1. CONTRACTOR SHALL PROVIDE UV PROTECTION JACKET FOR EXPOSED PORTION OF CABLE.
2. CONTRACTOR SHALL LOCATE STAINLESS STEEL EYEBOLT AND STRAIN RELIEF NEAR ACCESS HATCHWAY.
3. LOCATE MINIMUM OF 3 FEET FROM ANY TANK VENT.
4. PROVIDE PB SERIES TERMINAL BLOCK FOR CONNECTION OF POWER AND CONTROL CONDUCTORS IN JUNCTION BOX.



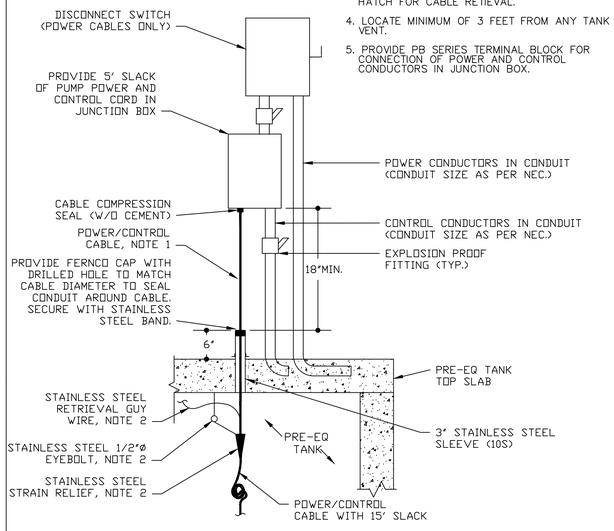
PUMP STATION PUMP DISCONNECT SWITCHES

N.T.S.

REVISED 06/15

NOTES:

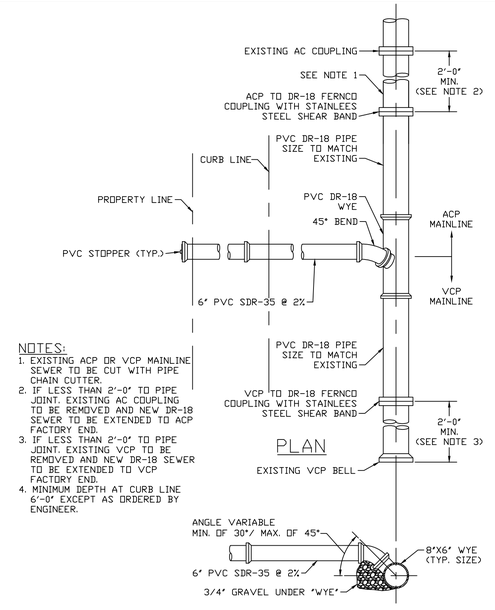
1. CONTRACTOR SHALL PROVIDE UV PROTECTION JACKET FOR EXPOSED PORTION OF CABLE.
2. CONTRACTOR SHALL LOCATE STAINLESS STEEL EYEBOLT AND STRAIN RELIEF NEAR ACCESS HATCHWAY.
3. CONTRACTOR SHALL PROVIDE STAINLESS STEEL RETRIEVAL GUY WIRE BACK TO ACCESS HATCH FOR CABLE RETIEVAL.
4. LOCATE MINIMUM OF 3 FEET FROM ANY TANK VENT.
5. PROVIDE PB SERIES TERMINAL BLOCK FOR CONNECTION OF POWER AND CONTROL CONDUCTORS IN JUNCTION BOX.



EQUIPMENT WITH ATTACHED POWER / CONTROL CABLES INSTALLATION DETAIL

N.T.S.

REVISED 08/15



NOTES:

1. EXISTING ACP OR VCP MAINLINE SEWER TO BE CUT WITH PIPE CHAIN CUTTER.
2. IF LESS THAN 2'-0" TO PIPE JOINT, EXISTING AC COUPLING TO BE REMOVED AND NEW DR-18 SEWER TO BE EXTENDED TO ACP FACTORY END.
3. IF LESS THAN 2'-0" TO PIPE JOINT, EXISTING VCP TO BE REMOVED AND NEW DR-18 SEWER TO BE EXTENDED TO VCP FACTORY END.
4. MINIMUM DEPTH AT CURB LINE 6'-0" EXCEPT AS ORDERED BY ENGINEER.

PLAN

SECTION

BUILDING CONNECTION ON EXISTING ACP/VCP SEWER

N.T.S.

SYMBOL	DESCRIPTION	APPROVED	DATE
4	REVISED		06/16
3	REVISED		08/15
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

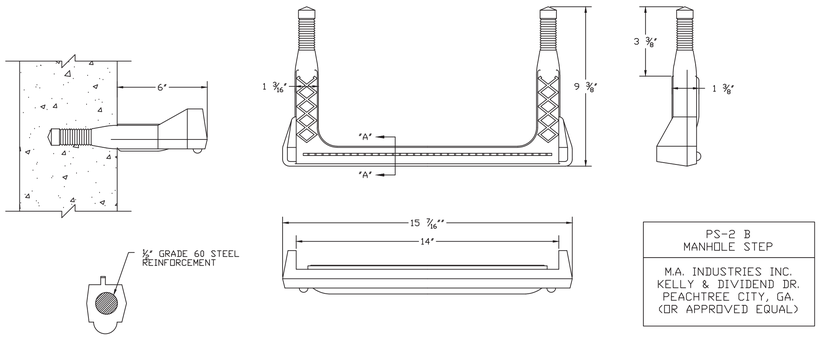
BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK
GILBERT ANDERSON, P.E. – COMMISSIONER

STANDARD SEWER DETAILS

DR. CK. APP.

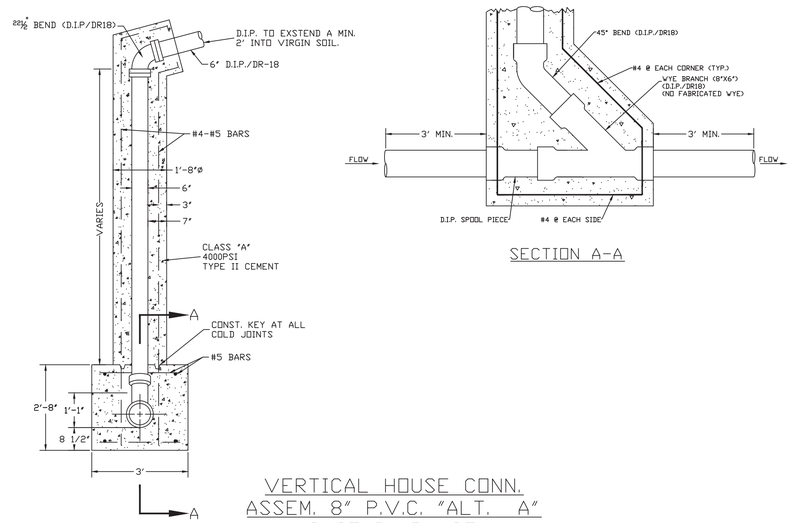
SHEET NO. 3 OF 7



STRUCTURAL MANHOLE STEP DETAIL

N.T.S.

REVISED 06/15

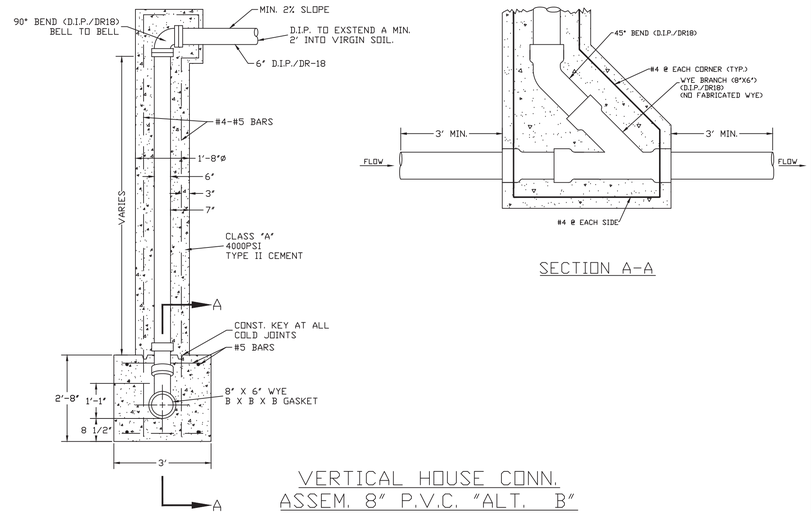


SECTION A-A

VERTICAL HOUSE CONN. ASSEM. 8" P.V.C. "ALT. A" CAST IN PLACE

N.T.S.

REVISED 06/15

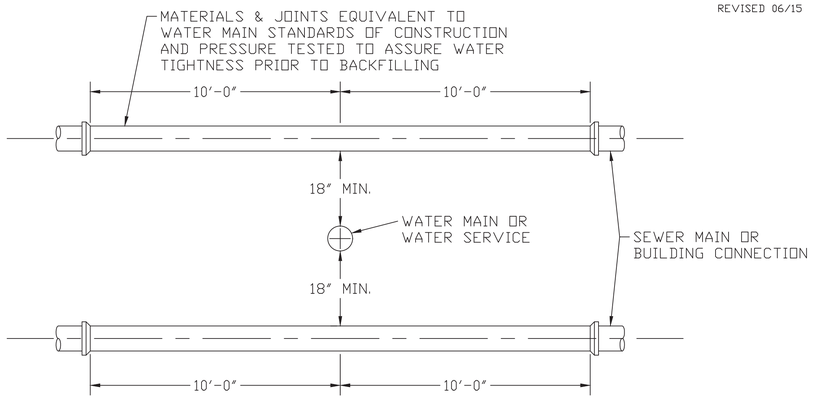


SECTION A-A

VERTICAL HOUSE CONN. ASSEM. 8" P.V.C. "ALT. B" CAST IN PLACE

N.T.S.

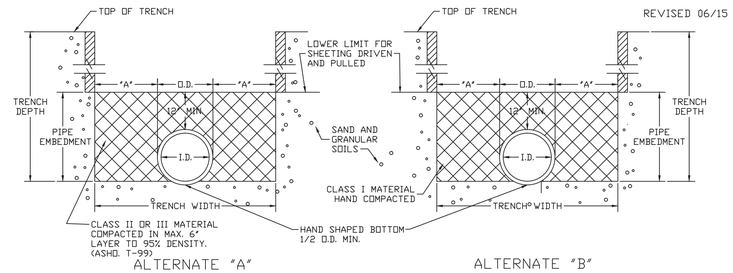
REVISED 06/15



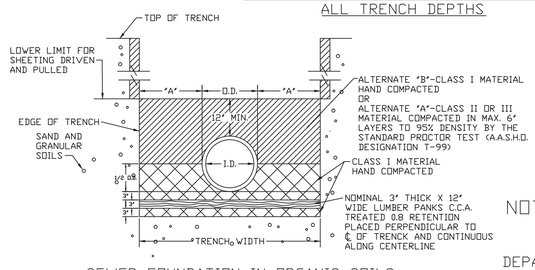
NOTE:
HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINES MUST BE 10' MINIMUM

WATER/SEWER CROSSING DETAIL

N.T.S.



SEWER FOUNDATION IN GRANULAR SOILS ALL TRENCH DEPTHS



I.D.	"A" (MAX)
8'ø TO 36'ø	12"
42'ø TO 84'ø	18"
96'ø TO 144'ø	24"

SEWER FOUNDATION IN ORGANIC SOILS

NOTE: ALL DRAWINGS NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS
SUFFOLK COUNTY, NEW YORK
SEWER FOUNDATIONS

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

SYMBOL	DESCRIPTION	APPROVED	DATE
4			
3			
2	REVISED		06/15
1	REVISED		05/13

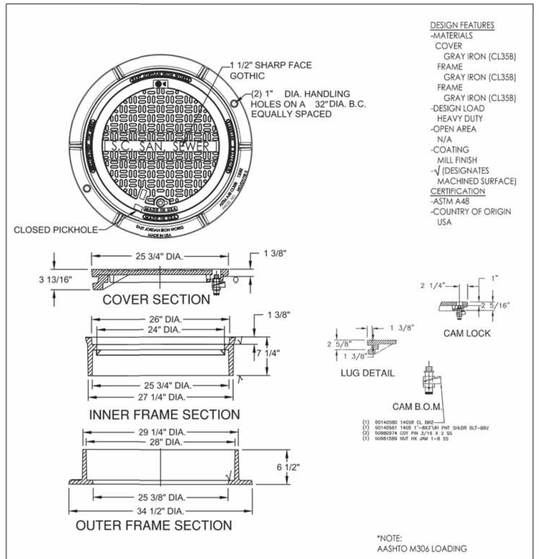
REVISIONS

COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK
GILBERT ANDERSON, P.E. – COMMISSIONER

STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 4 OF 7



SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS

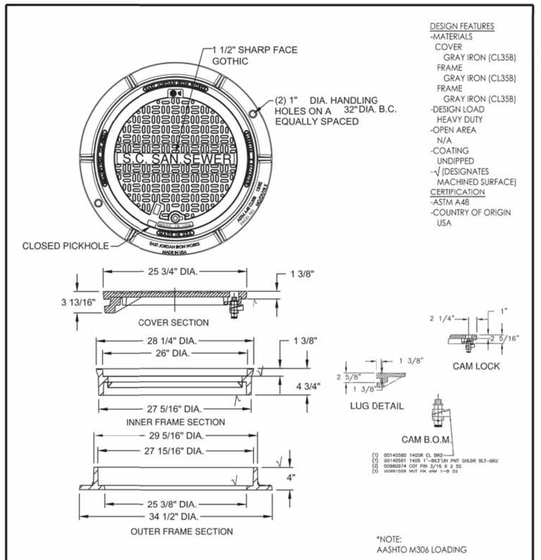
CONTRACT NAME: WASTEWATER - MANHOLE CASTING AND COVER

ITEM NUMBER : 1

ADJUSTABLE MANHOLE CASTING (TYPE F) 26" (25 3/4")
COMPLETE WITH TOP AND BOTTOM RING, COVER WITH LOCK
(USE FOR ANY ROAD INSTALLATION STANDARD)

DATE REVISED: 6/15

REVISED 06/15



SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS

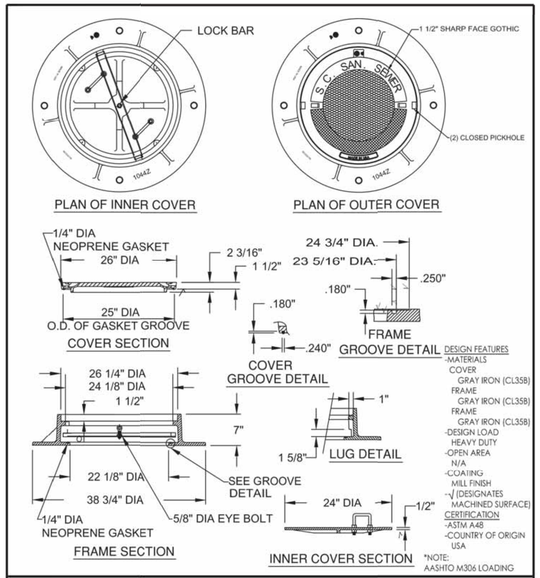
CONTRACT NAME: WASTEWATER - MANHOLE CASTING AND COVER

ITEM NUMBER : 2

ADJUSTABLE MANHOLE CASTING SHALLOW 5" (TYPE F) 26" (25 3/4" DIAMETER COVER) COMPLETE WITH TOP AND BOTTOM RING COVER WITH LOCK
(USED FOR ANY ROAD INSTALLATION BUT SHALLOW FOR MAKING GRADE)

DATE REVISED: 6/15

REVISED 06/15



SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS

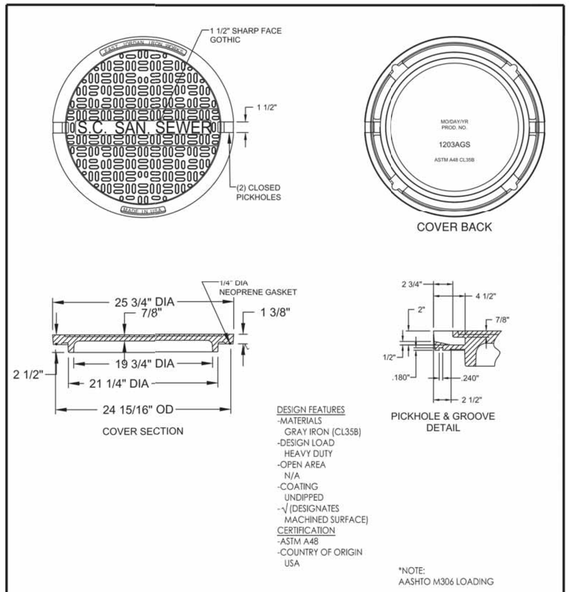
CONTRACT NAME: WASTEWATER - MANHOLE CASTING AND COVER

ITEM NUMBER : 3

WATERTIGHT MANHOLE CASTING COMPLETE WITH TOP COVER WITH LIFTING HOLES, INNER COVER WITH HANDELS, LOCKING CROSS BAR AND RUBBER GASKET
(USE FOR ANY AREAS SUBJECT TO FLOODING)

DATE REVISED: 6/15

REVISED 06/15



SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS

CONTRACT NAME: WASTEWATER - MANHOLE CASTING AND COVER

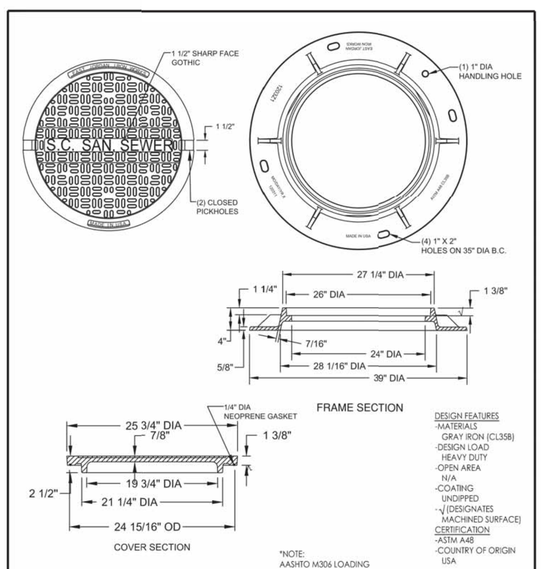
ITEM NUMBER : 4D

GASKETED COVER FOR WATERTIGHT MANHOLE WITHOUT LOCK
(USE FOR SAMPLE MANHOLE - GREASE, LINT & SEDIMENT)
(USE FOR ANY AREAS SUBJECT TO FLOODING)

DATE REVISED: 6/15

REVISED 06/15

REVISED 06/15



SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS

CONTRACT NAME: WASTEWATER - MANHOLE CASTING AND COVER

ITEM NUMBER : 5

SHALLOW MANHOLE RING AND COVER 26" X 4"
(USE FOR SAMPLE MANHOLES - GREASE, LINT & SEDIMENT)
NON-LOCKING

DATE REVISED: 6/15

SYMBOL	DESCRIPTION	APPROVED	DATE
3			
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

GILBERT ANDERSON, P.E. – COMMISSIONER

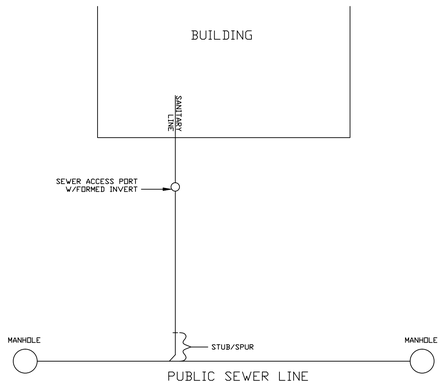
STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 5 OF 7

FIGURE NO. 1A

COMMERCIAL FACILITY WITH NO INDUSTRIAL WASTEWATER DISCHARGE SINGLE AND SEPARATE



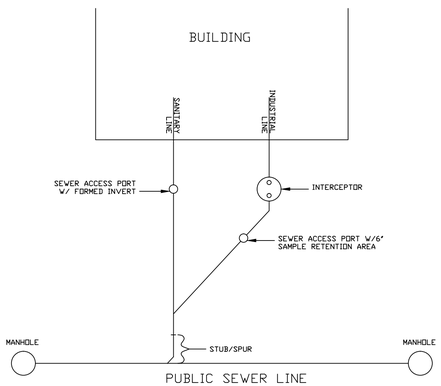
PUBLIC SEWER LINE

NOTES:
1) ALL PIPE 6 INCH SEWER ACCESS PORTS AND INTERCEPTORS TO BE MONOLITHIC W/ BOOTS.
2) ALL PIPE LEGTHS TO BE NOTED.
3) WATER SERVICE TO BE SHOWN.
4) INDICATE SLOPES AND INVERTS.
5) ALL DRAWINGS AND/OR SKETCHES TO BE NEAT AND LEGIBLE.
6) 10' SEPERATION BETWEEN SEWER LINE AND WATER LINES.

REVISED 06/15

FIGURE NO. 1C

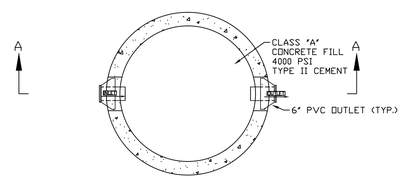
COMMERCIAL FACILITY WITH AN INDUSTRIAL WASTEWATER DISCHARGE



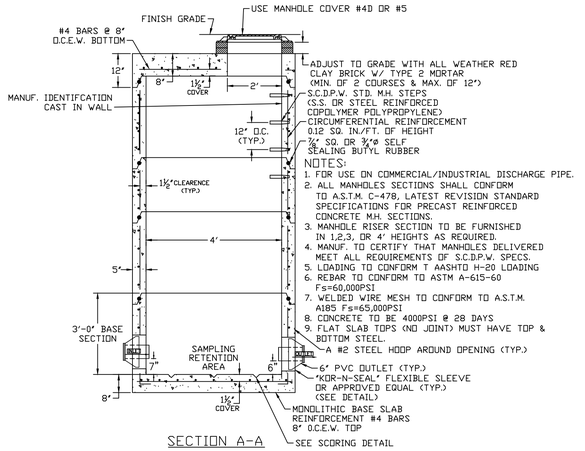
PUBLIC SEWER LINE

NOTES:
1) ALL PIPE 6 INCH SEWER ACCESS PORTS AND INTERCEPTORS TO BE MONOLITHIC W/ BOOTS.
2) ALL PIPE LEGTHS TO BE NOTED.
3) WATER SERVICE TO BE SHOWN.
4) INDICATE SLOPES AND INVERTS.
5) ALL DRAWINGS AND/OR SKETCHES TO BE NEAT AND LEGIBLE.
6) MULTIPLE OCCUPANT BUILDING REQUIRES A SEPARATE SANITARY LINE, INDUSTRIAL LINE, INTERCEPTOR, AND ACCESS PORT FOR EACH UNIT WITHIN.
7) 10' SEPERATION BETWEEN SEWER LINE AND WATER LINE.

REVISED 06/15



PLAN



NOTES:
1. FOR USE ON COMMERCIAL/INDUSTRIAL DISCHARGE PIPE.
2. ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
3. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
4. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
5. LOADING TO CONFORM T AASHTO H-20 LOADING
6. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
7. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
8. CONCRETE TO BE 4000PSI @ 28 DAYS
9. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.
A #2 STEEL HOOP AROUND OPENING (TYP.)

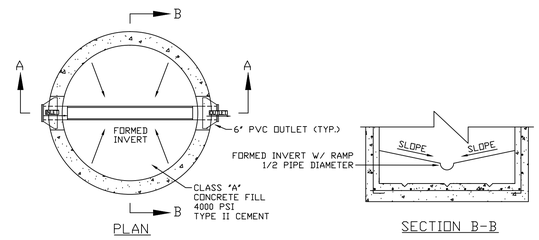
SECTION A-A

SEWER ACCESS PORT WITH SAMPLING RETENTION AREA

USE WHERE SEWER INVERT IS DEEPER THAN 4' BELOW GRADE

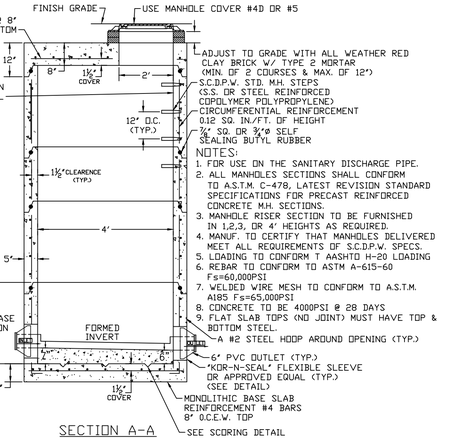
N.T.S.

REVISED 06/16



PLAN

SECTION B-B



NOTES:
1. FOR USE ON THE SANITARY DISCHARGE PIPE.
2. ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
3. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
4. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
5. LOADING TO CONFORM T AASHTO H-20 LOADING
6. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
7. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
8. CONCRETE TO BE 4000PSI @ 28 DAYS.
9. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.
A #2 STEEL HOOP AROUND OPENING (TYP.)

SECTION A-A

SEWER ACCESS PORT WITH FORMED INVERT

USE WHERE SEWER INVERT IS DEEPER THAN 4' BELOW GRADE

N.T.S.

REVISED 06/16

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

SYMBOL	DESCRIPTION	APPROVED	DATE
3	REVISED		06/16
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

GILBERT ANDERSON, P.E. – COMMISSIONER

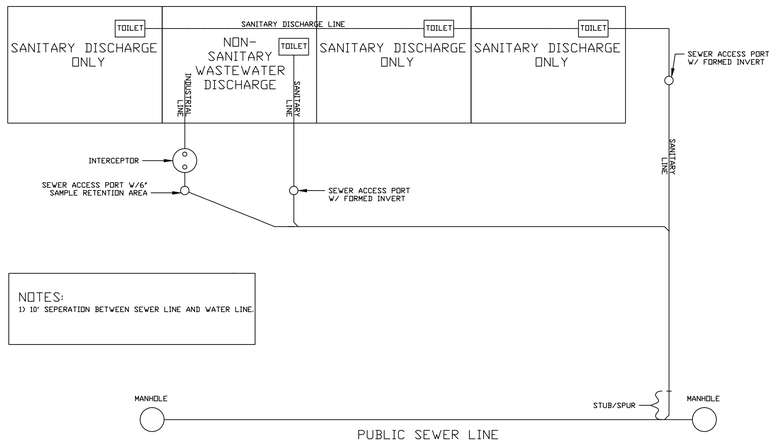
STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 6 OF 7

FIGURE NO. 1D

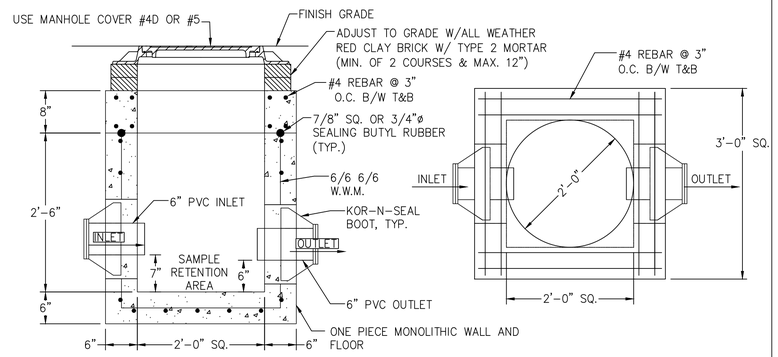
COMMERCIAL BUILDING WITH MULTIPLE TENANTS



REVISED 06/15

SEWER ACCESS PORT WITH SAMPLING RETENTION AREA

"USE WHERE SEWER INVERT IS 4' MAXIMUM BELOW GRADE"



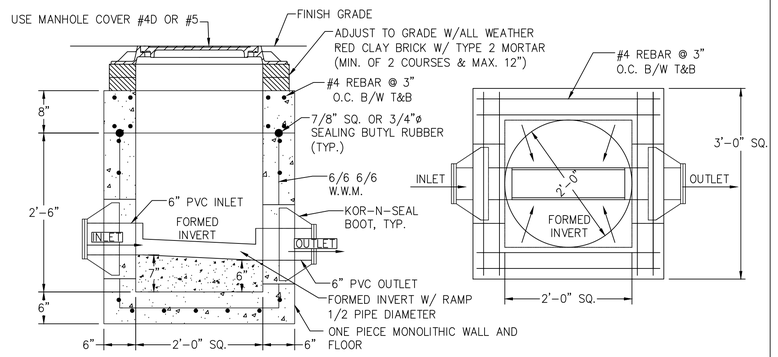
NOTES:

1. FOR USE AN COMMERCIAL/INDUSTRIAL DISCHARGE PIPE.
2. MANHOLE TO SUPPORT AASHTO H-20 TRAFFIC LOADING.
3. CONCRETE 4000 PSI @ 28 DAYS.
4. WELDED WIRE MESH ASTM A185.
5. REBAR ASTM A615 GRADE 60.
6. PIPE TO MANHOLE CONNECTION TO BE KOR-N-SEAL FLEXIBLE RUBBER SLEEVE OR APPROVED EQUAL.
7. MANHOLE COVER 4D USED IN FLOOD AREAS.
8. DRAWING NOT TO SCALE.

REVISED 06/16

SEWER ACCESS PORT WITH FORMED INVERT

"USE WHERE SEWER INVERT IS 4' MAXIMUM BELOW GRADE"



NOTES:

1. FOR USE ON THE SANITARY DISCHARGE PIPE.
2. MANHOLE TO SUPPORT AASHTO H-20 TRAFFIC LOADING.
3. CONCRETE 4000 PSI @ 28 DAYS.
4. WELDED WIRE MESH ASTM A185.
5. REBAR ASTM A615 GRADE 60.
6. PIPE TO MANHOLE CONNECTION TO BE KOR-N-SEAL FLEXIBLE RUBBER SLEEVE OR APPROVED EQUAL.
7. MANHOLE COVER 4D USED IN FLOOD AREAS.
8. DRAWING NOT TO SCALE.

REVISED 06/16

BENJAMIN W. WRIGHT, P.E. LIC. NO. 46875

SYMBOL	DESCRIPTION	APPROVED	DATE
4			
3	REVISED		06/16
2	REVISED		06/15
1	REVISED		05/13

REVISIONS

COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

GILBERT ANDERSON, P.E. – COMMISSIONER

STANDARD SEWER DETAILS

DR. CK. APP.

SHEET NO. 7 OF 7