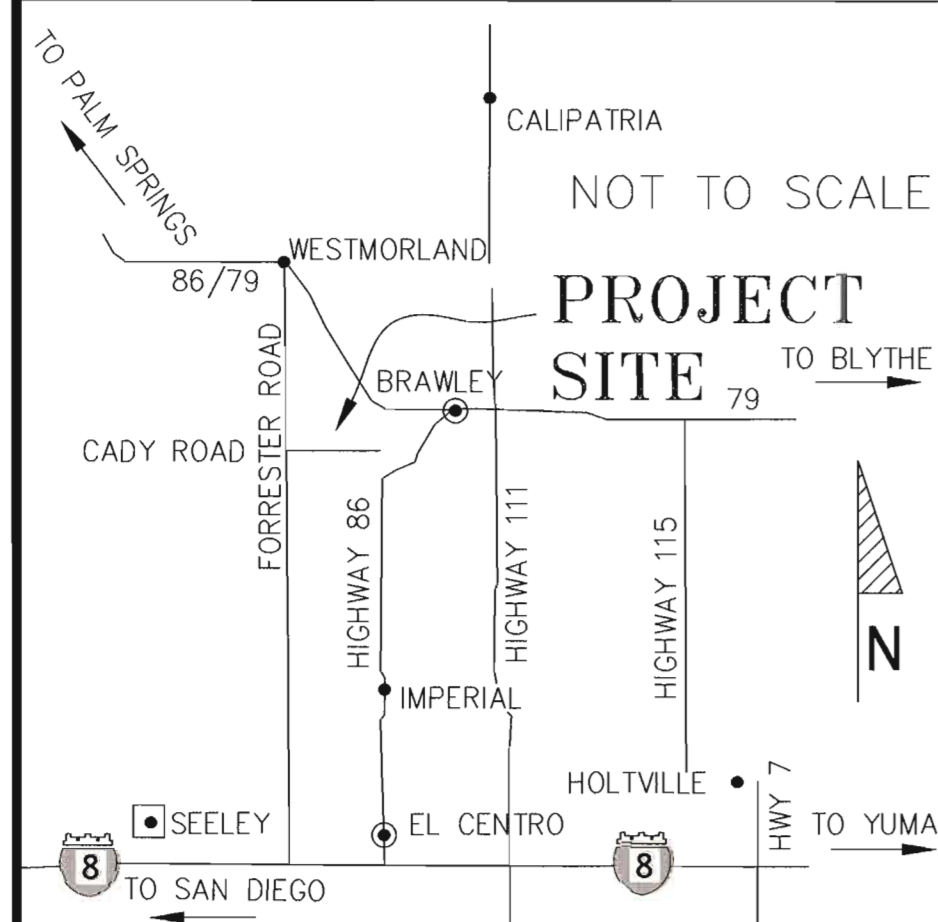


VICINITY MAP



POE COLONIA WASTEWATER TREATMENT PLANT (WWTP) EMERGENCY REPAIRS COUNTY PROJECT NO. 5426POE

PROJECT INFORMATION

GEOTECHNICAL ENGINEER

PERCOLATION TEST RESULTS
DATED AUGUST 10, 2011
PERCOLATION RATE 30 MIN/INCH

GROUP DELTA CONSULTANTS
1003 INDUSTRY WAY, SUITE A
EL CENTRO, CA 92243
TEL. (760) 337-2067
FAX. (760) 337-1926

D C E
DYNAMIC CONSULTING ENGINEERS, INC.
2415 IMPERIAL BUSINESS PARK DR.
STE. B, IMPERIAL, CA 92251
TEL. (760) 960-8500
FAX. (760) 545-0163

AGENCY CONTACTS

COUNTY OF IMPERIAL PUBLIC WORKS
VERONICA ATONDO, P.E.
155 SOUTH 11TH ST.
EL CENTRO, CA 92243
PHONE: 442-265-1818
EMAIL: VeronicaAtondo@co.imperial.ca.us

CITY OF BRAWLEY
GUILLERMO SILLAS, PE
180 S WESTERN AVENUE
BRAWLEY, CA 92227
PHONE: 760-344-5800 FAX: 760-344-5612

IMPERIAL IRRIGATION DISTRICT (IID)
WATER DEPARTMENT
333 E. BARIONI BLVD.
IMPERIAL, CA 92251
PHONE: 760-339-9263

ENERGY DEPARTMENT
333 E. BARIONI BLVD.
IMPERIAL, CA 92251
PHONE: 760-339-9280
FAX: 760-339-9471

ABBREVIATIONS

A.C.	ASPHALT CONCRETE
BOT	BOTTOM
BOD	BIOLOGICAL OXYGEN DEMAND
EL. OR ELEV.	ELEVATION
FT	FOOT
GRAN.	GRANULAR
I.D.	INSIDE DIAMETER
INV.	INVERT
L.F.	LINEAL FEET
N.T.S.	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
P.V.C.	POLY VINYL CHLORIDE
P.C.C.	PORTLAND CONCRETE CEMENT
P.P.	POWER POLE
PROP.	PROPOSED
SF	SQUARE FEET
SS	SUSPENDED SOLIDS
UE	UNDERGROUND ELECTRICAL
W	WATER
W.M.	WATER METER
W.V.	WATER VALVE

GENERAL NOTES:

GRADING PLAN GENERAL NOTES

- APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
- FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
- IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT OF WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED, (760) 482-4462. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS (800) 227-2600 OR 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
GAS TELEPHONE NO. (800) 422-4133/(800) 227-2600
IID POWER TELEPHONE NO. (760) 339-9280
IID WATER TELEPHONE NO. (760) 339-9263
PACIFIC TELEPHONE TELEPHONE NO. (800) 422-4133
ROCKY VANDERGRIFF, OPERATOR (760) 427-4235
- A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PLAN APPROVAL.
- APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED BY THE COUNTY PLANNING DEPARTMENT.
- THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS, INCLUDING ANY ONSITE OR PERIMETER SCREEN OR RETAINING WALLS.
- ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE, WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THE PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
- SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT AND THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
- THE CONSTRUCTION OF ONE A.C. STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK AND APPROVED BY COUNTY PUBLIC WORKS INSPECTOR. A.C. SURFACING OF DRIVEWAY TO EXTEND FROM EXISTING A.C. PAVEMENT TO PROPERTY LINE.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
- ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.

GRADING PLAN GENERAL NOTES (CONTINUE)

- DURING ROUGH GRADING OPERATIONS AND PRIOR TO THE CONSTRUCTION OF ANY PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO CONTIGUOUS PROPERTIES.
- DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
- NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
- THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
- A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 5' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAME.
- A BROW DITCH DESIGNED TO HANDLE THE FLOWS (Q) FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
- NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS.
- THE FINISHED GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR BUILDING WALLS AT NOT LESS THAN 1/2" (1/2" PER FOOT) FOR A MINIMUM OF 3 FEET, UNLESS A SOIL REPORT PROVIDES ALTERNATE RECOMMENDATIONS.
- A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF REQUESTING A FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO THE BUILDING PERMIT FINAL INSPECTION BY PUBLIC WORKS FOR EACH LOT.
- THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT (800) 422-4133 OR 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.

SITE PREPARATION

CLEARING AND GRUBBING: ALL SURFACE IMPROVEMENTS, DEBRIS OR VEGETATION INCLUDING GRASS, TREES, AND WEEDS ON THE SITE AT THE TIME OF CONSTRUCTION SHOULD BE REMOVED FROM THE CONSTRUCTION AREA. ROOT BALLS SHOULD BE COMPLETELY EXCAVATED. ORGANIC STRIPPINGS SHOULD BE STOCKPILED AND NOT USED AS ENGINEERED FILL.

SHEET INDEX

- TITLE SHEET
- GRADING/SITE PLAN
- CROSS SECTIONS
- DETAILS

NOTE TO CONTRACTOR

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

ENGINEER'S NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF IMPERIAL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

CARLOS BELTRAN, P.E.
DYNAMIC CONSULTING ENGINEERS, INC
2415 IMPERIAL BUSINESS PARK DR., STE. B
IMPERIAL, CA 92251
(760) 545-0162

Carlos Beltran
CARLOS BELTRAN
RCE# 69121
DATE 2/12/18



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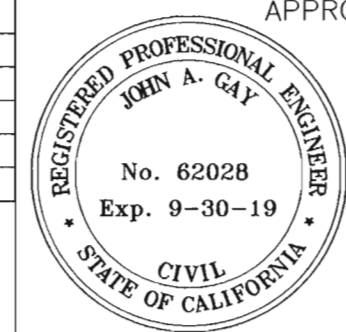
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NO.	REVISIONS:	APPROVED	DATE

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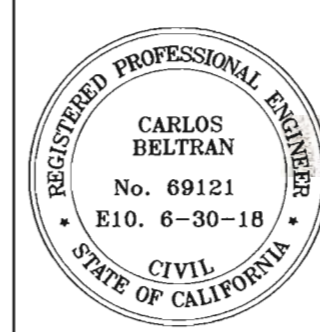
APPROVED BY THE COUNTY OF IMPERIAL:



John Gay
JOHN GAY, P.E.
DATE 4/9/18
EXP

BENCH MARK:

BENCHMARK NO. IPVN-54, ELEV. = 102.69'
BENCHMARK DESCRIPTION:
IPVN-54 PER RECORD OF SURVEY 13-55.
LATITUDE: 32°59'09.79950"N
LONGITUDE: 115°34'43.24888"W
STATION MARK IS A STANDARD SURVEY DISK STAMPED "KALIN 1979" SET IN SQUARE CONCRETE MONUMENT.



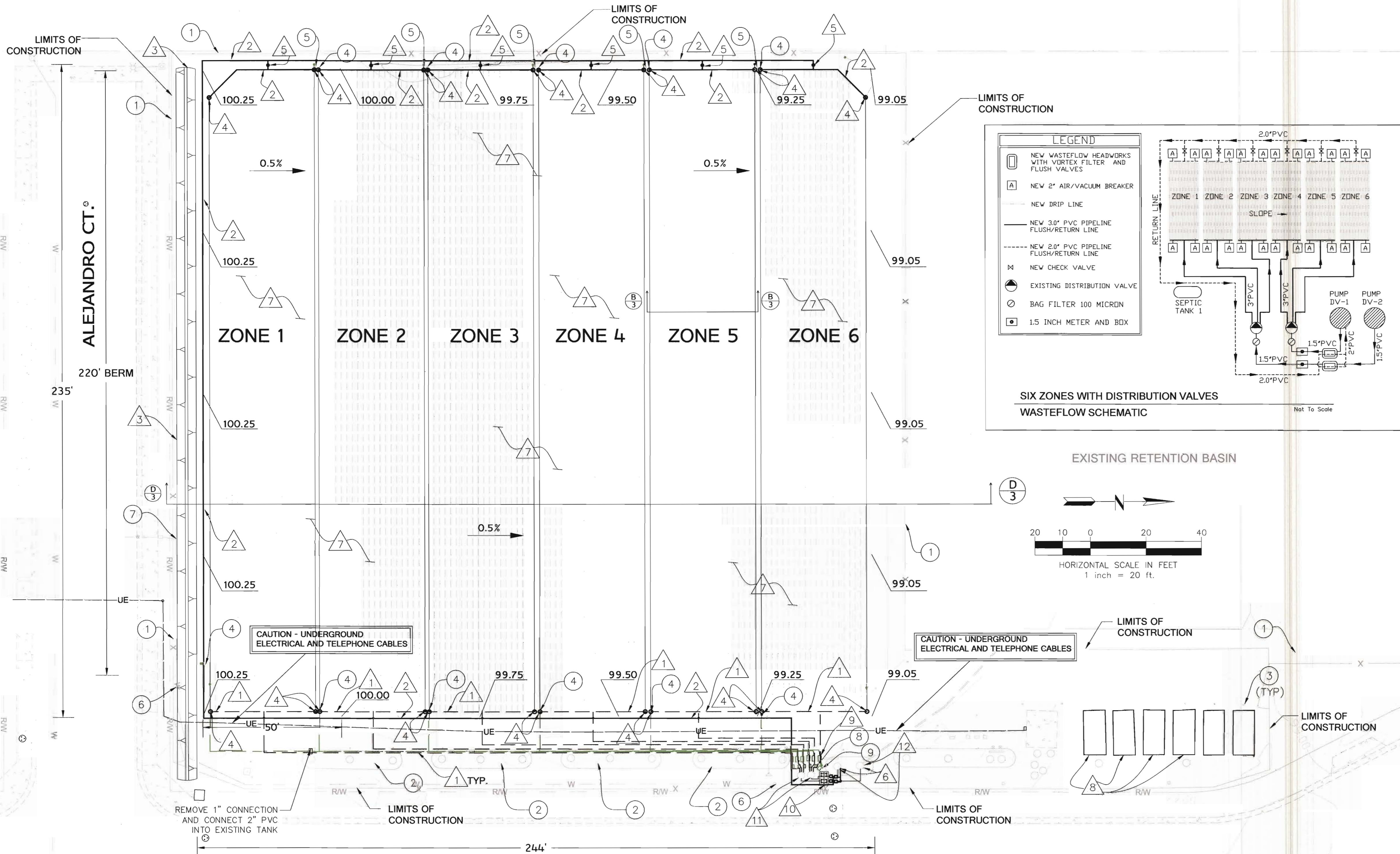
PREPARED UNDER THE DIRECT SUPERVISION OF:

Carlos Beltran
CARLOS BELTRAN, P.E.
DATE 2/12/18
79121
R.C.E. NO.
06/30/18
REG. EXP.

POE COLONIA WASTEWATER TREATMENT PLANT (WWTP) EMERGENCY REPAIRS	DATE: 02/12/18	1
	SCALE: AS SHOWN	
	DESIGN: DD	
	CHECKED BY: DD	
	JOB NO. 09.11.05	OF 4 SHEETS

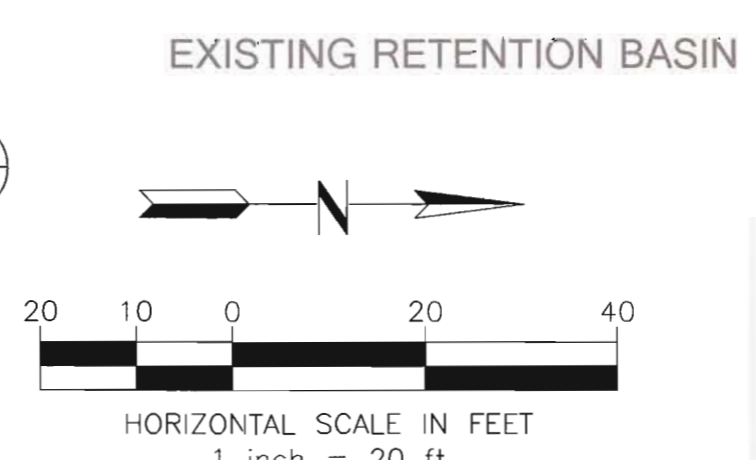
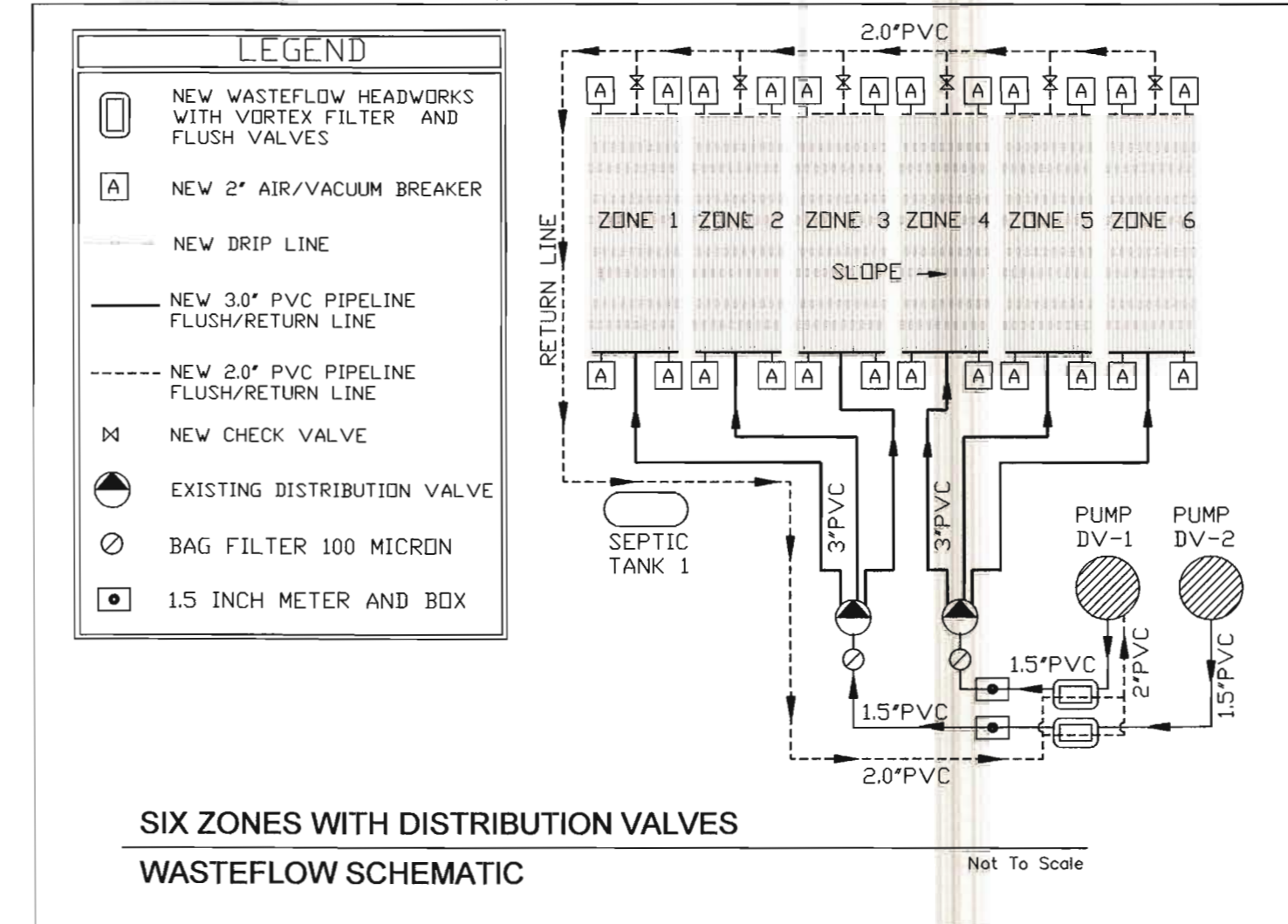
TITLE SHEET

14-1007



CONSTRUCTION KEYNOTES

- 1 REMOVE AND DISPOSE OF 1.5" Ø EXISTING PVC PIPE. INSTALL NEW SCHEDULE 80 3" Ø PIPE AND FITTINGS. EACH DISPERSAL ZONE HAS A SEPARATE 3-INCH SUPPLY LINE TO THE DISTRIBUTION VALVE. SEE SCHEMATIC LEFT.
- 2 REMOVE AND DISPOSE OF 1" Ø EXISTING PVC PIPE. INSTALL NEW SCHEDULE 80 2" Ø PIPE AND FITTINGS. THERE IS ONE SHARED 2-INCH RETURN LINE. SEE SCHEMATIC LEFT.
- 3 CONSTRUCT DIRT BERM. SEE DETAIL A ON SHEET 3.
- 4 INSTALL NEW AIR/VACUUM RELIEF VALVE PER DETAIL B ON SHEET 4 (4 PER ZONE, 1 ON EACH CORNER)
- 5 INSTALL NEW IN-LINE SPRING CHECK VALVE PER DETAIL E ON SHEET 4
- 6 REMOVE (6) EXISTING METERS. INSTALL (2) NEW 1.5" METERS AND PIPING. REPLACE METER BOXES.
- 7 MOW EXCESS VEGETATION. REMOVE AND DISPOSE OF EXISTING DRIP LINES, LOCATED AT APPROXIMATELY 12 INCHES BELOW EXISTING GRADE. DISK TOP 12-INCHES OF THE ENTIRE DRIP FIELD UNTIL ACCEPTED BY THE ENGINEER. FINE GRADE FIELD WITHOUT COMPACTING UPPER 12 INCHES OF MATERIAL. TRENCH EACH DRIP LINE SEPARATELY AND INSTALL NEW WASTEFLOW PC 1GPH DRIP LINES (20 PER ZONE) WITH EMITTERS 1-FOOT ON CENTER. HYDROSEED DRIP LINE AREA AFTER INSTALLATION OF DRIP LINES. SEE DETAIL B ON SHEET 3
- 8 REMOVE AND DISPOSE OF (4) EXISTING FIBERGLASS FILTER TANKS FROM SUB-GROUND (24-INCHES DEEP). LEVEL AND FINISH GRADE TO 24-INCHES BELOW TOP OF GRADE. INSTALL (4) NEW ADVANTEX AX100, OR APPROVED EQUAL, FIBERGLASS FILTER TANK. INSTALL AND ADJUST INFLUENT AND EFFLUENT PVC PIPING AND FITTINGS AS NEEDED.
- 9 REMOVE AND DISPOSE OF (6) EXISTING DRIP DISPERSAL HEADWORKS WITH 1" FILTERS. INSTALL (2) LARGER FILTER HEADWORKS AND PIPING, PER DETAIL C ON SHEET 4
- 10 CONSTRUCT NEW 3'x5', 6-INCH THICK CONCRETE PAD AND INSTALL (4) FSI BAG FILTER HOUSINGS (ONE SURPLUS PER PUMP), MODEL X100C, WITH PLASTIC LEG STANDS, OR APPROVED EQUAL. INSTALL 1.5 INCH STAINLESS STEEL GLOBE VALVES ON THE INLET AND OUTLET OF EACH FILTER. FASTEN TO CONCRETE USING STAINLESS STEEL BOLTS AND HARDWARE. CONNECT FILTERS TO DISTRIBUTION VALVE AND PUMPS AS SHOWN USING 1.5" DIA SCHEDULE 80 PVC. FURNISH (4) FILTER BAGS, FSI PART NO. BPONG[X]01, MICRON RATING 100 OR APPROVED EQUAL.
- 11 REPLACE (2) EXISTING ORENCO V6403 1.5" DISTRIBUTION VALVES, OR APPROVED EQUAL, AND ASSOCIATED 1.5 INCH PVC PIPING. FIBERGLASS VAULTS TO REMAIN. SEE DETAIL H ON SHEET 4.
- 12 REPLACE (2) DISTRIBUTION PUMPS WITH (2) ORENCO PF5015 PUMPS, OR APPROVED EQUAL. DESIGN SETPOINT SHALL BE 112 FEET OF HEAD AT 43.5 GALLONS PER MINUTE. REPLACE EXISTING 1.5 INCH PVC PIPING WITH 1.5 INCH SCHEDULE 80 PVC PIPING. RESET FLOATS PER MANUFACTURER'S RECOMMENDATIONS.



EXISTING FACILITY KEYNOTES

- 1 EXISTING FENCE TO REMAIN.
- 2 EXISTING SEPTIC SYSTEM AND PIPING TO REMAIN
- 3 EXISTING BOLLARDS TO REMAIN (TYP)
- 4 REMOVE EXISTING AIR/VACUUM RELIEF VALVE
- 5 REMOVE AND DISPOSE OF EXISTING IN-LINE SPRING CHECK VALVES
- 6 EXISTING POTABLE WATER HOSE BIB AND RISER TO REMAIN.
- 7 EXISTING BACKFLOW PREVENTOR TO REMAIN.
- 8 REMOVE AND DISPOSE OF EXISTING (5) FIBERGLASS BOXES AND CONTENTS.
- 9 EXISTING DISCHARGE TO CHLORINE TREATMENT HEADWORKS TO REMAIN. RECONNECT PIPING.

NOTE: CONTRACTOR TO PROVIDE PUMPING AND TRUCKING OF THE WASTEWATER DURING TIMES OF PLANT SHUTDOWN DUE TO CONSTRUCTION ACTIVITIES. WASTEWATER SHALL BE DELIVERED TO AN ALTERNATE SITE. ALL COSTS ASSOCIATED WITH PUMPING, TRUCKING AND ACCEPTANCE BY ANOTHER WASTEWATER PLANT SHALL BE BORNE BY THE CONTRACTOR. PUMPING OF THE TREATED WASTEWATER INTO THE EXISTING RETENTION BASIN SHALL NOT BE ALLOWED PER THE WDR PERMIT. PHASING OF THE CONSTRUCTION TO ALLOW PORTIONS OF THE SYSTEM TO REMAIN FUNCTIONAL WILL BE ALLOWED. CONTRACTOR TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OPERATOR.

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APPROVED BY THE COUNTY OF IMPERIAL:

 JOHN A. GAY, P.E.
 DATE: 4/9/18

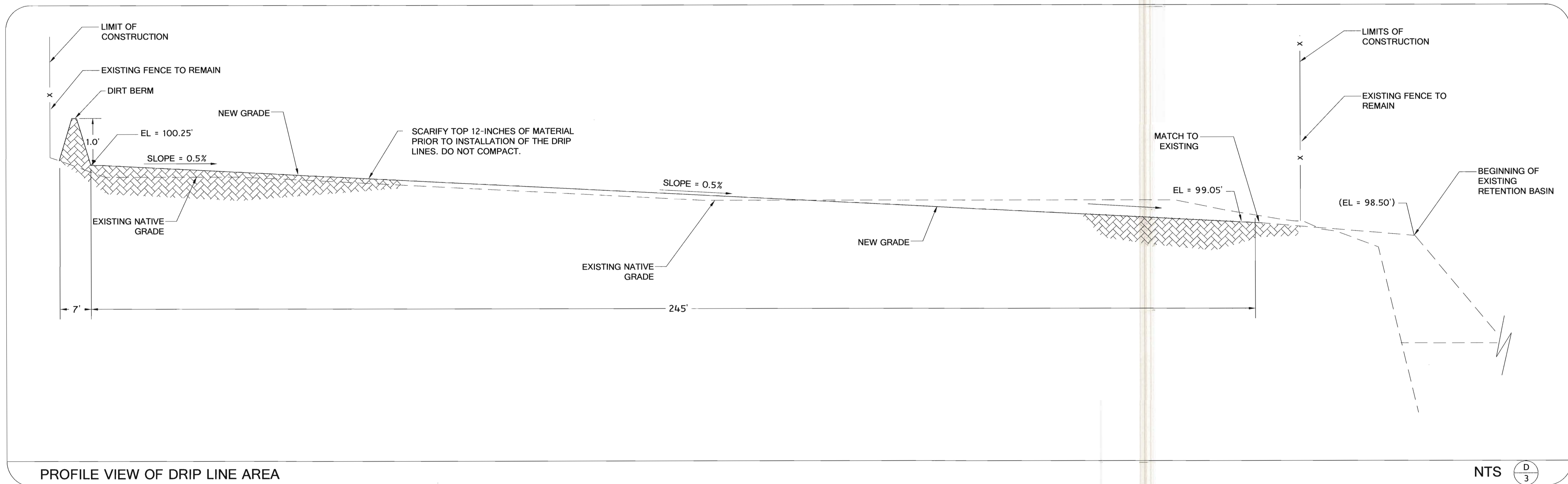
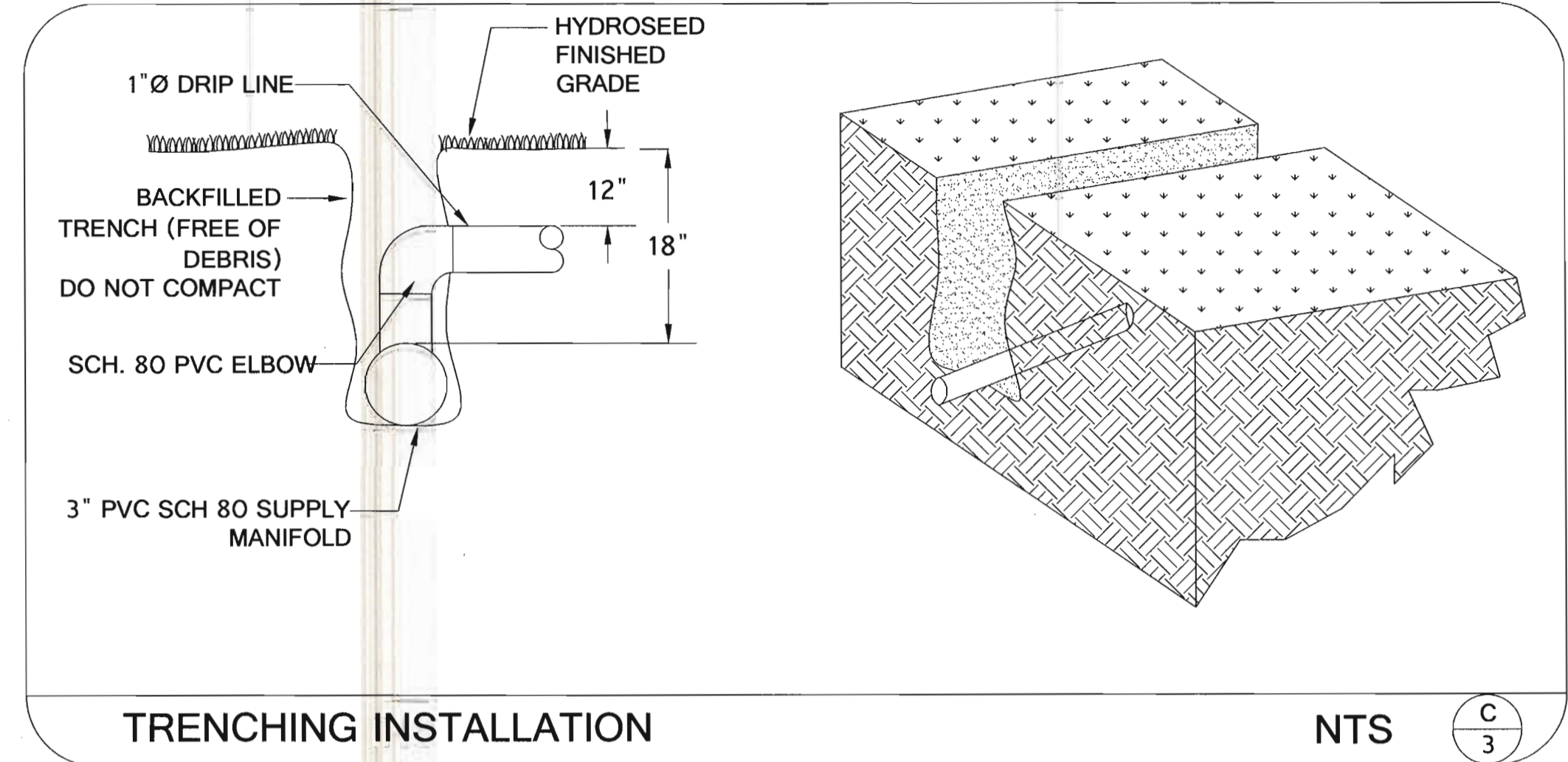
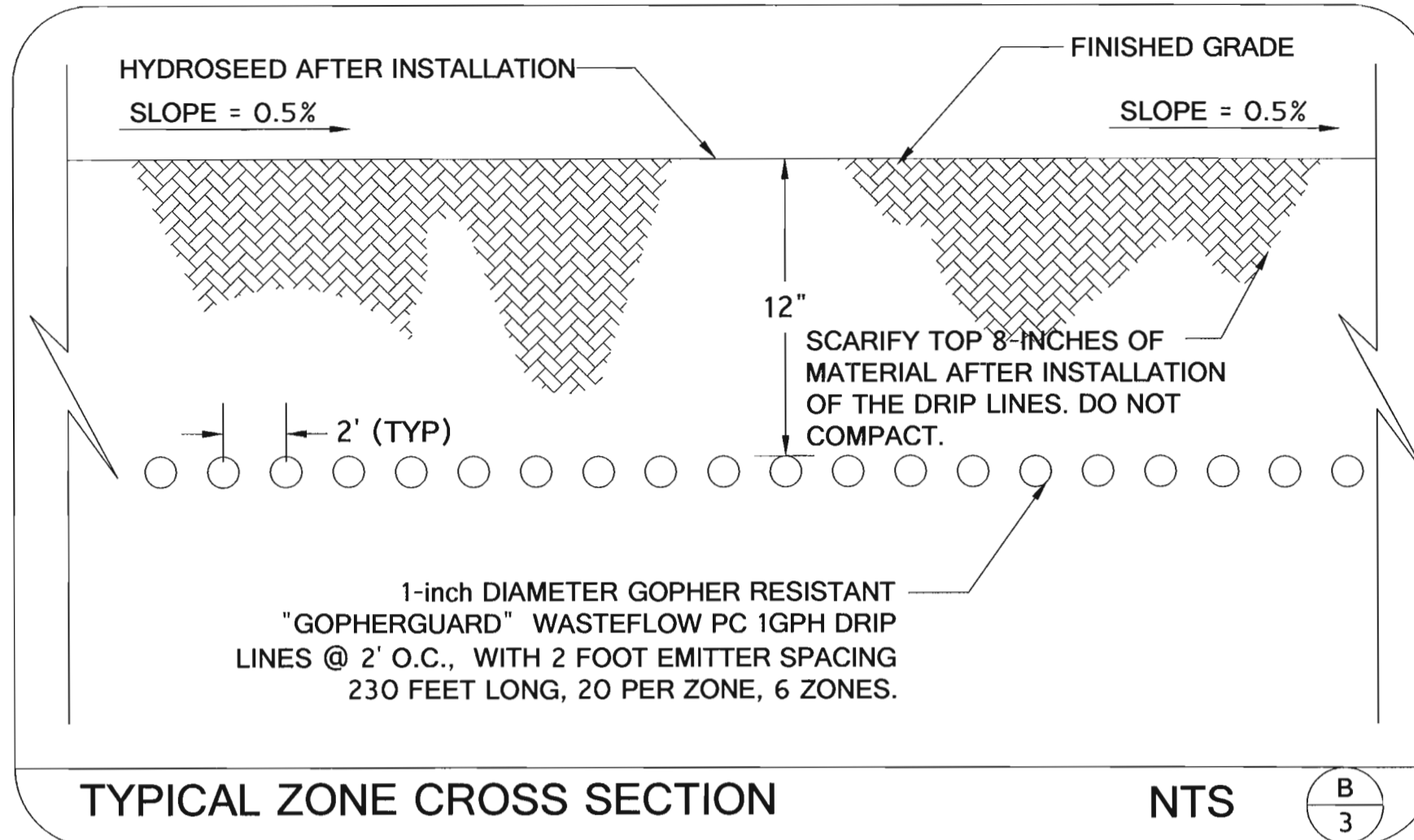
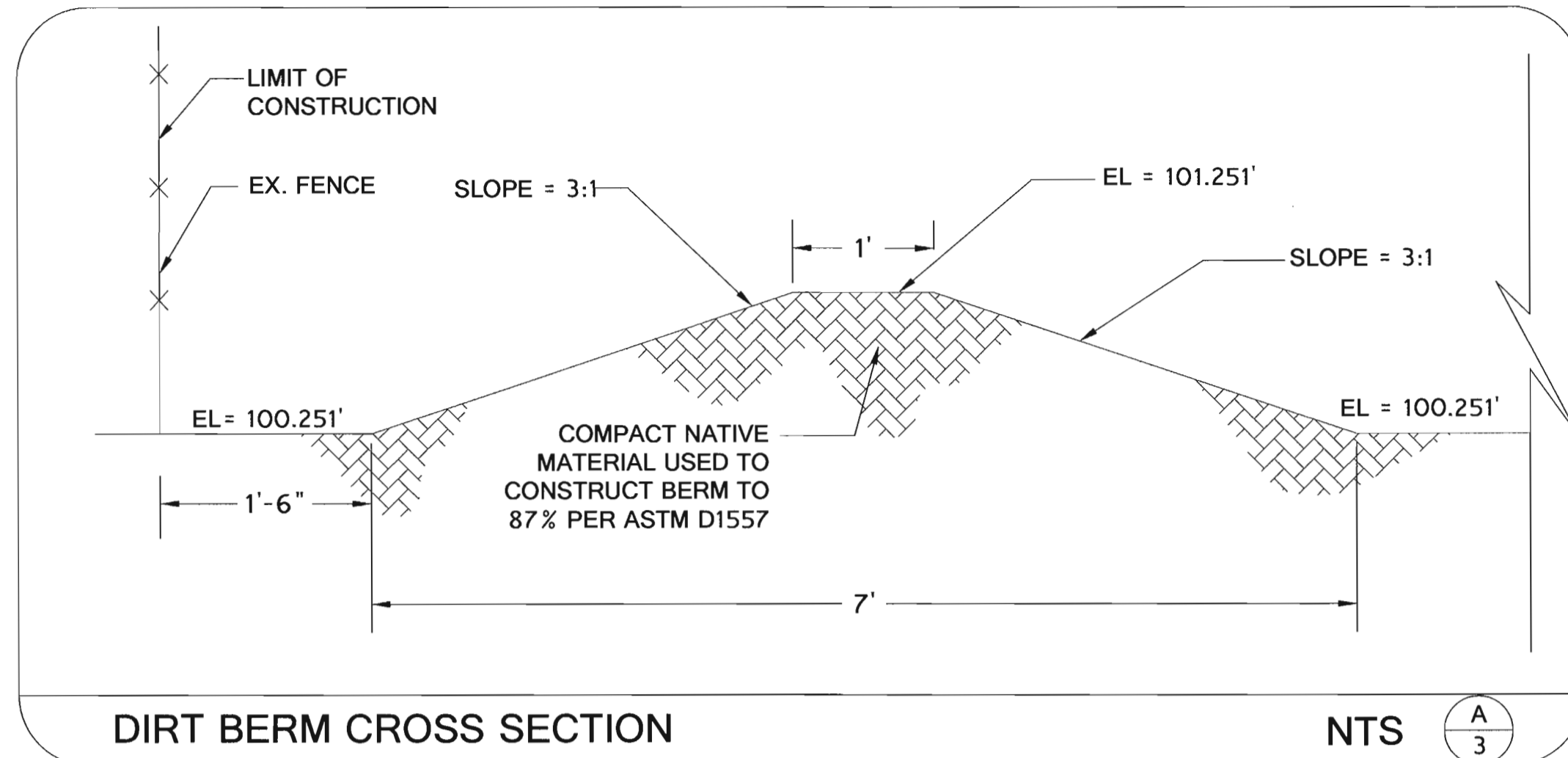
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CARLOS BELTRAN, P.E.

PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 DATE: 2/12/18
 69121 R.C.E. NO.
 06/30/18 REG. EXP.

POE COLONIA WASTEWATER TREATMENT PLANT (WWTP) EMERGENCY REPAIRS
GRADING/SITE PLAN
 DATE: 02/12/18
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 CHECKED BY: DD
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 SHEET NO. **2** OF 4 SHEETS

M-1007



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APPROVED BY: *John Gay*
JOHN GAY, P.E.
DATE: 4/9/18
EXP: 09/30/19

PREPARED UNDER THE DIRECT SUPERVISION OF:

CARLOS BELTRAN
No. 69121
E10. 6-30-18
CIVIL ENGINEER
STATE OF CALIFORNIA

DATE: 2/12/18

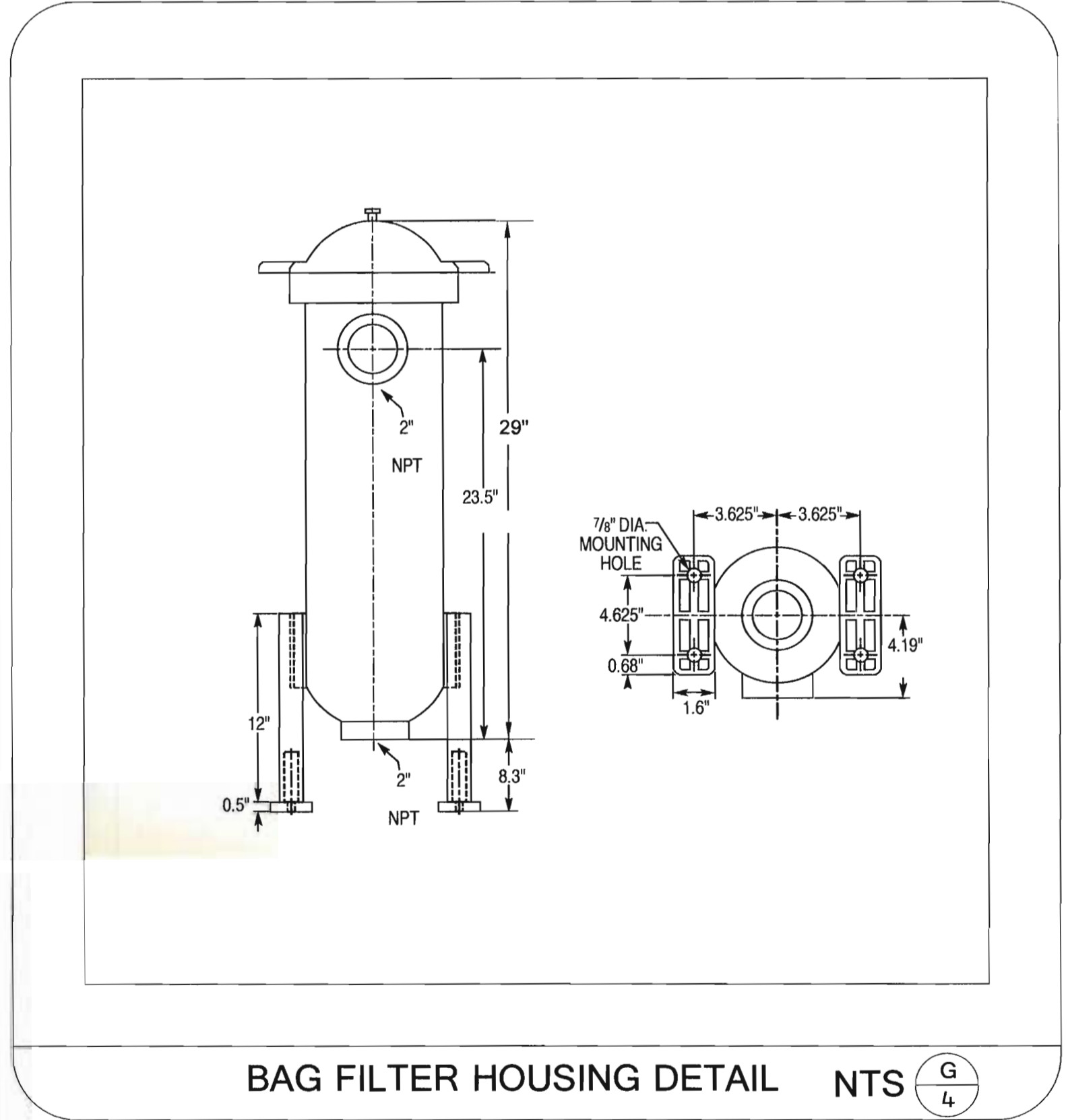
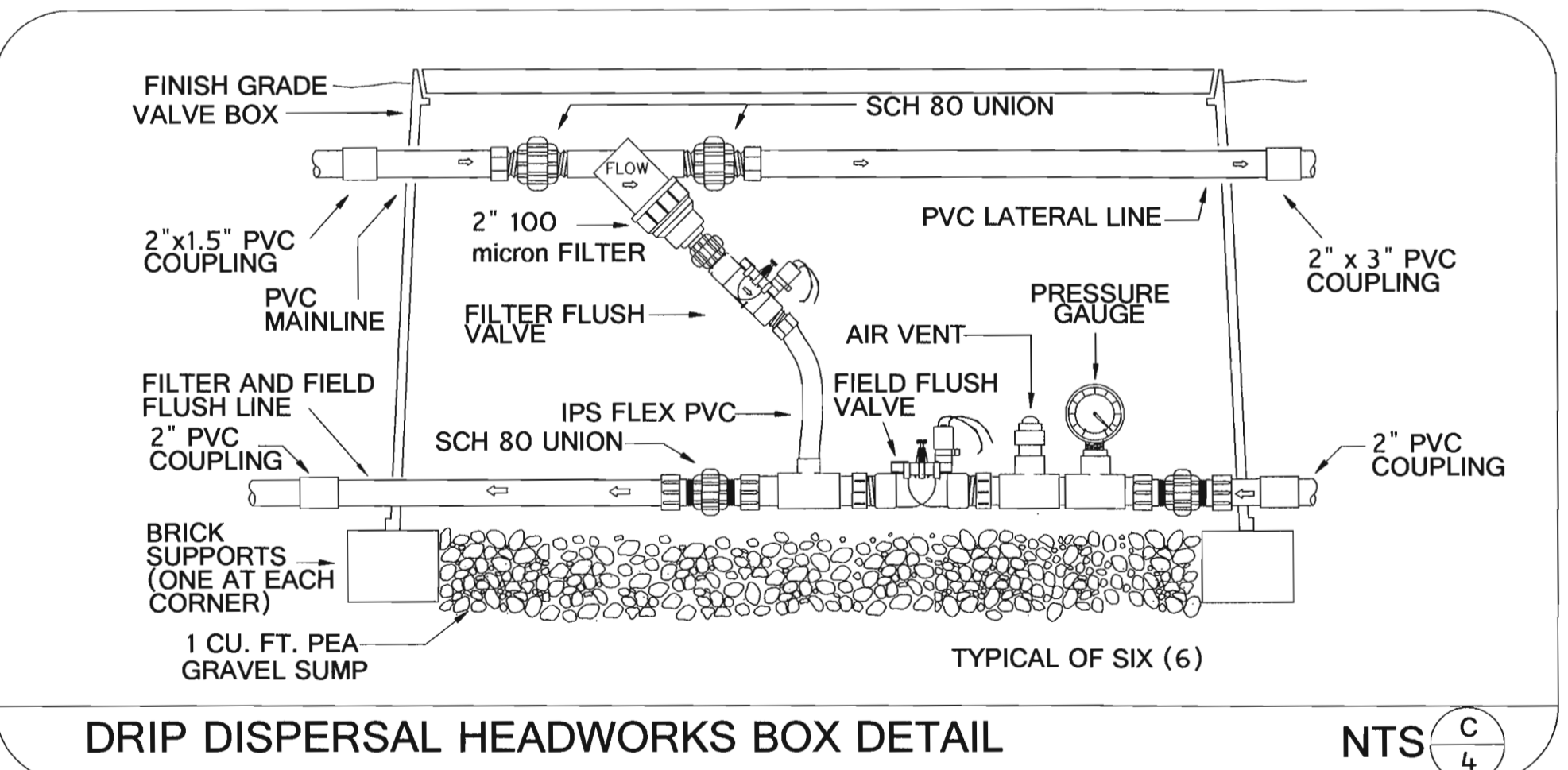
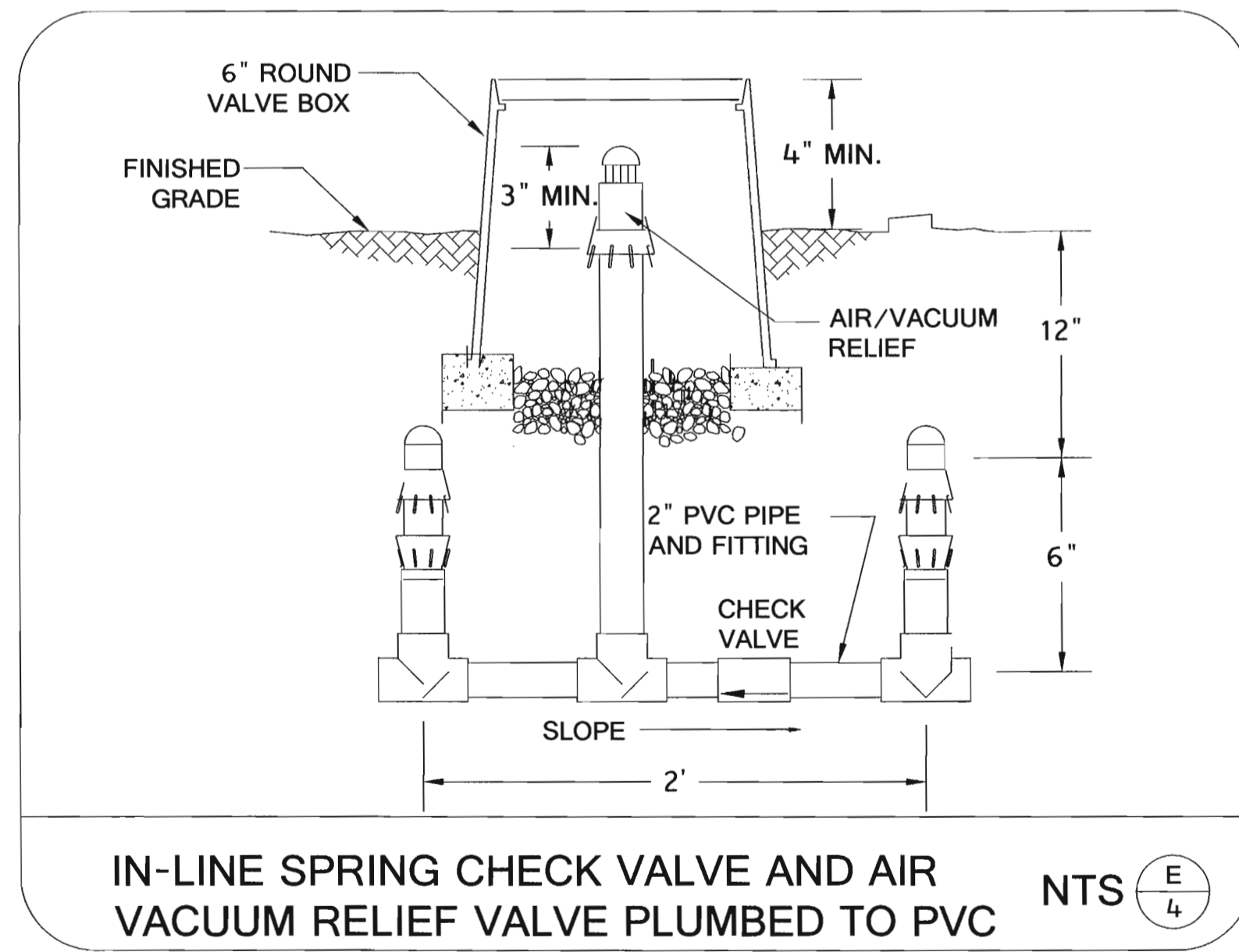
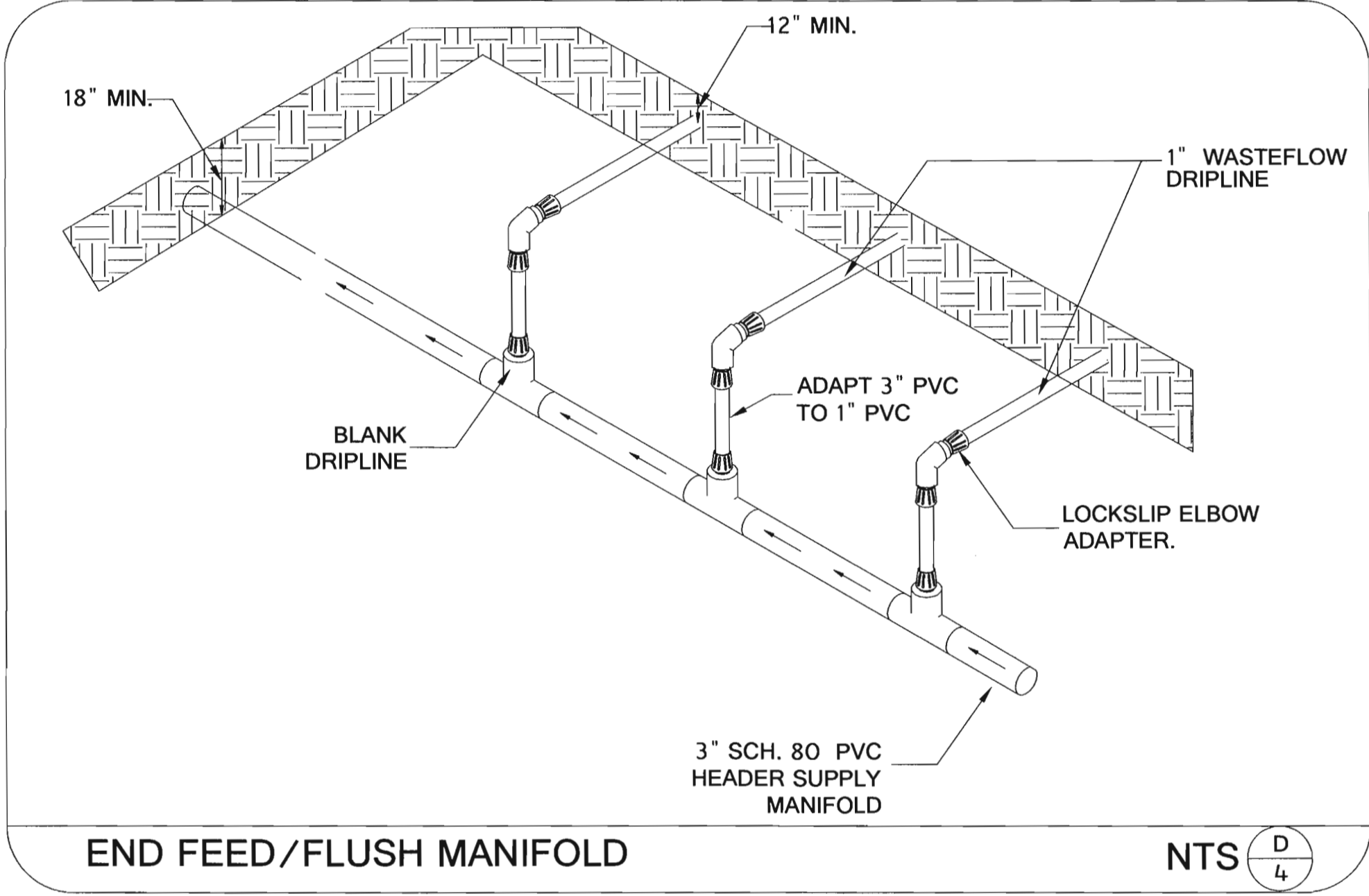
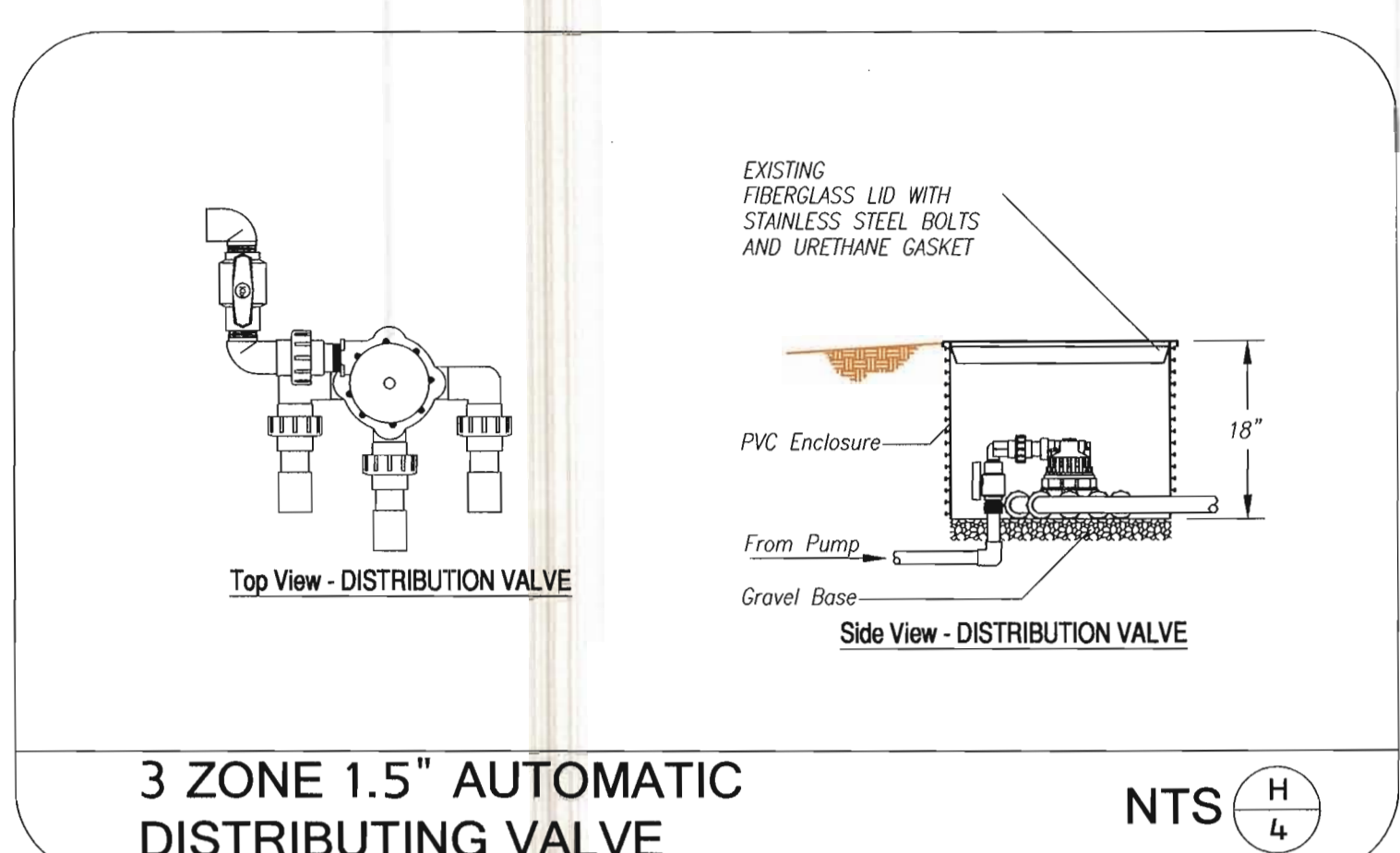
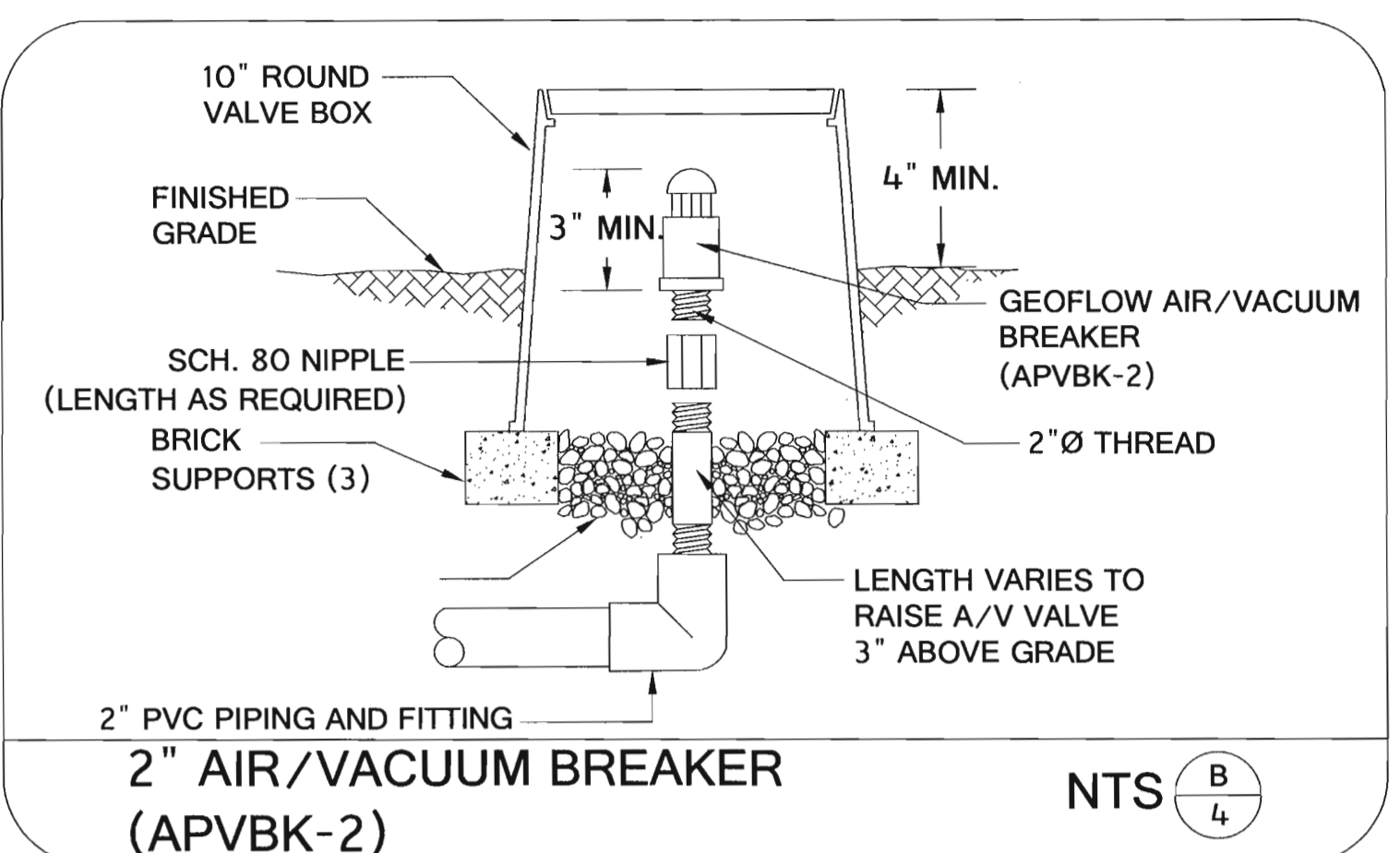
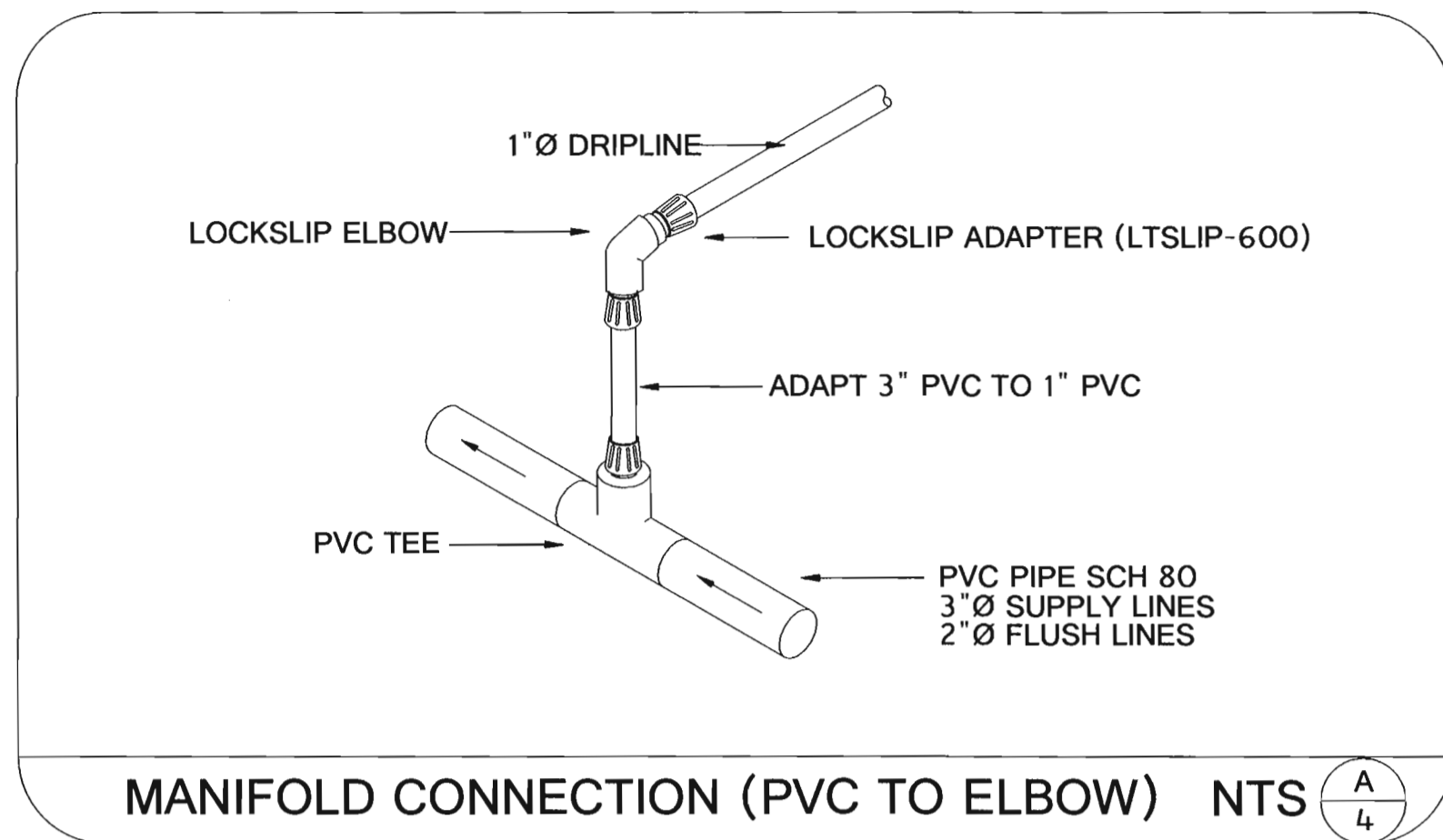
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CROSS SECTIONS

SHEET NO. **3**
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TEL. (760) 545-0162 FAX (760) 545-0163

NO.	REVISIONS:	APPROVED	DATE

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

APPROVED BY THE COUNTY OF IMPERIAL:

REGISTERED PROFESSIONAL ENGINEER
JOHN A. GAY
No. 62028
Exp. 9-30-19
CIVIL
STATE OF CALIFORNIA

APPROVED BY: *John Gay*
JOHN GAY, P.E.
DATE: *4/9/18*

BENCH MARK:
BENCHMARK NO. IPVN-54, ELEV. = 102.69'
BENCHMARK DESCRIPTION:
IPVN-54 PER RECORD OF SURVEY 13-55.
LATITUDE: 32°59'09.79950"N
LONGITUDE: 115°34'43.24888"W
STATION MARK IS A STANDARD SURVEY DISK STAMPED "KALIN 1979" SET IN SQUARE CONCRETE MONUMENT.

REGISTERED PROFESSIONAL ENGINEER
CARLOS BELTRAN
No. 69121
E10. 6-30-18
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:

Carlos Beltran
CARLOS BELTRAN, P.E.
DATE: *2/2/18*

69121
R.C.E. NO.
06/30/18
REG. EXP.

POE COLONIA WASTEWATER TREATMENT PLANT (WWTP) EMERGENCY REPAIRS

DETAILS

DATE: 02/12/18
SCALE: AS SHOWN
DESIGN: DD
CHECKED BY: DD
JOB NO. 09.11.05

SHEET NO. **4**
OF 4 SHEETS

M-1007