

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

July 13, 2018

Diane Hoelzer, P.E.
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM, 87199

**RE: Country Club Plaza Bldg 3
1718 Central SW, Suite D
Revised Grading Plan Stamp Date: 6/27/18
Drainage Report Stamp Date: 12/8/17
Hydrology File: J13D010**

Dear Ms. Hoelzer:

PO Box 1293

Based on the submittal received on 6/27/18, the revised grading plan is approved for Building Permit and SO-19 Permit.

Albuquerque

Prior to Certificate of Occupancy (For Information):

NM 87103

1. The SO-19 Permit work will need to be inspected and accepted by storm drain maintenance.
2. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.

www.cabq.gov

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 3/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

IS THIS A RESUBMITTAL?: ____ Yes ____ No

DEPARTMENT:

- ____ HYDROLOGY/ DRAINAGE
____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

- ____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR

____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)

____ OTHER (SPECIFY) _____
____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ____ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY

____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL

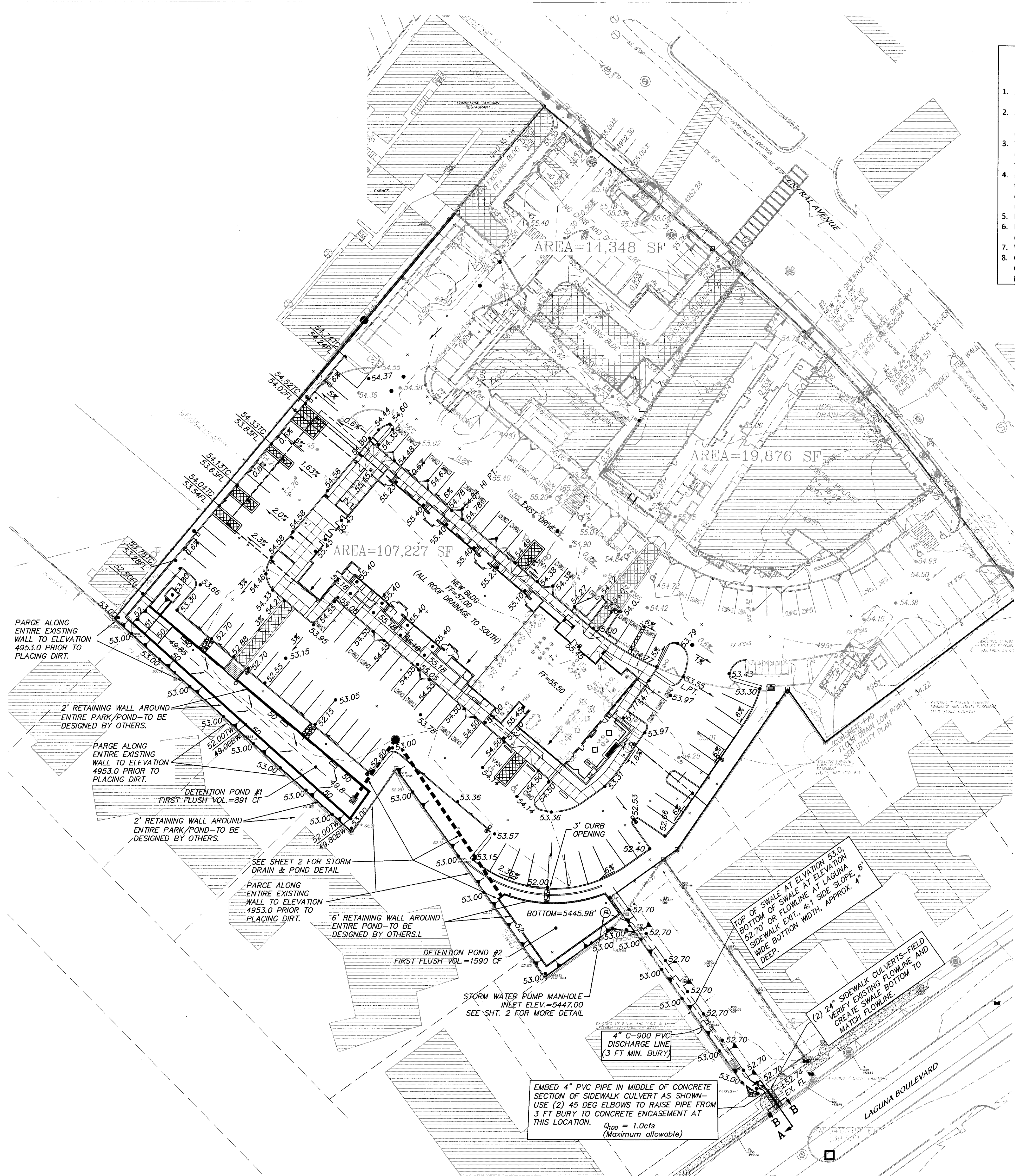
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

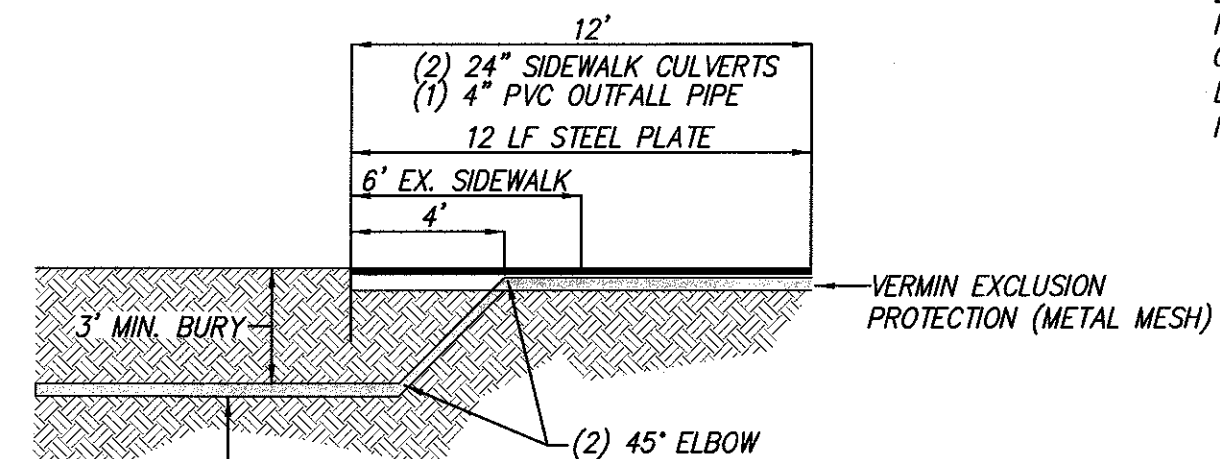


- Private Drainage Facilities within City Right-of-Way
Notice to Contractor
(Special Order 19 ~ "SO-19")
1. An excavation permit will be required before beginning any work within City Right-Of-Way.
 2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
 3. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" (or (505) 260-1990) for the location of existing utilities.
 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
 5. Backfill compaction shall be according to traffic/street use.
 6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
 7. Work on arterial streets may be required on a 24-hour basis.
 8. Contractor must contact Jason Rodriguez at 235-8016 and Construction Coordination at 924-3416 to schedule an inspection.

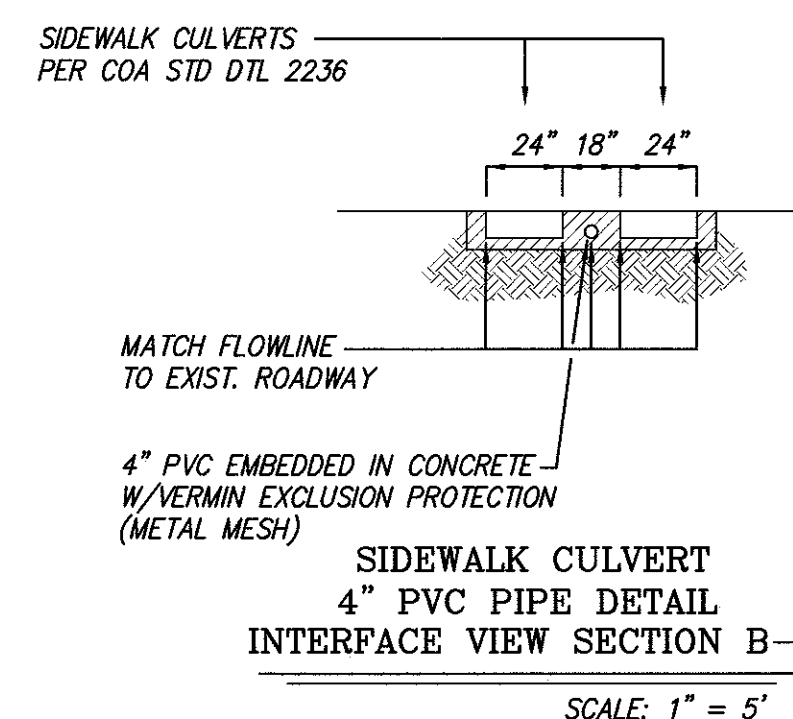


BENCHMARK

ACS CONTROL STATION "17-J14"
N= 1488866.762
E= 1519149.317
Z= 4957.484
NEW MEXICO STATE PLANE, CENTRAL ZONE
G=6= 0.9996833611
DELTA-ALPHA= -0013'59".00
NAD 1983/NAVD 1988



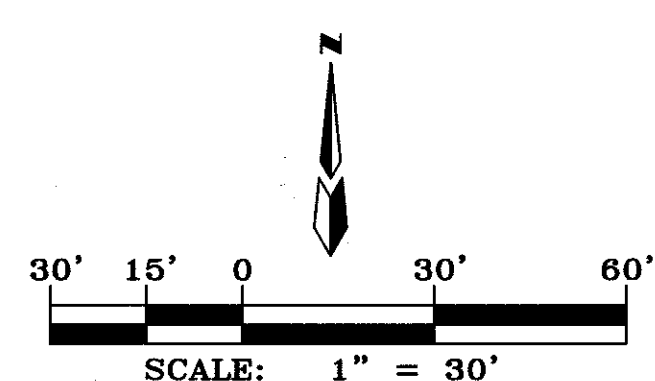
4" PVC DISCHARGE PIPE CONNECTS TO STORM WATER PUMP
4" PVC DISCHARGE PIPE OUTFALL
PROFILE VIEW SECTION A-A
SCALE: 1" = 5'



SIDEWALK CULVERT
4" PVC PIPE DETAIL
INTERFACE VIEW SECTION B-B
SCALE: 1" = 5'

LEGEND

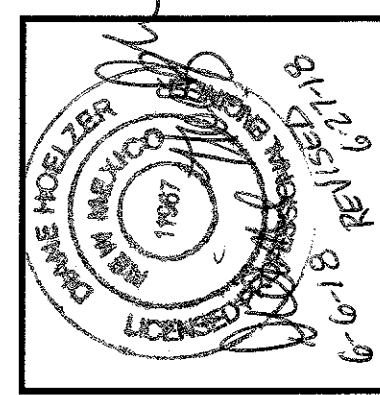
- 00.00 EXISTING SPOT ELEVATION
- 5135- EXISTING CONTOUR
- W EXISTING WATER WELL
- o EXISTING BOLLARD
- o EXISTING GUY WIRE
- o EXISTING SAS MH
- o EXISTING TELEPHONE PEDESTAL
- 00.00 NEW SPOT ELEVATION
- 00.00 SWALE
- 00.00 NEW CONTOUR ELEVATION
- o EXISTING SEWER MANHOLE
- o EXISTING GAS METER
- o EXISTING WATER VALVE
- o EXISTING CLEANOUT
- o EXISTING UTILITY POLE
- o EXISTING MONITORING WELL
- o EXISTING WATER METER
- o EXISTING CURB
- o NEW WATER METER
- o NEW RETAINING WALL
- o BASIN A
- o BASIN B
- o BASIN BOUNDARY
- 52.53 TOP OF CURB
- 52.03 BOTTOM OF CURB
- 52.00 NEW FLOW LINE, SPOT ELEVATION
- o NEW SWALE
- 51.60 ± EXISTING ELEVATION
- o EXISTING DRIVEWAY CUT



dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

REV	DATE	DESCRIPTION
1	06/27/2018	ISSUED FOR PERMIT
2	06/27/2018	ISSUED FOR PERMIT
3	06/27/2018	ISSUED FOR PERMIT
4	06/27/2018	ISSUED FOR PERMIT

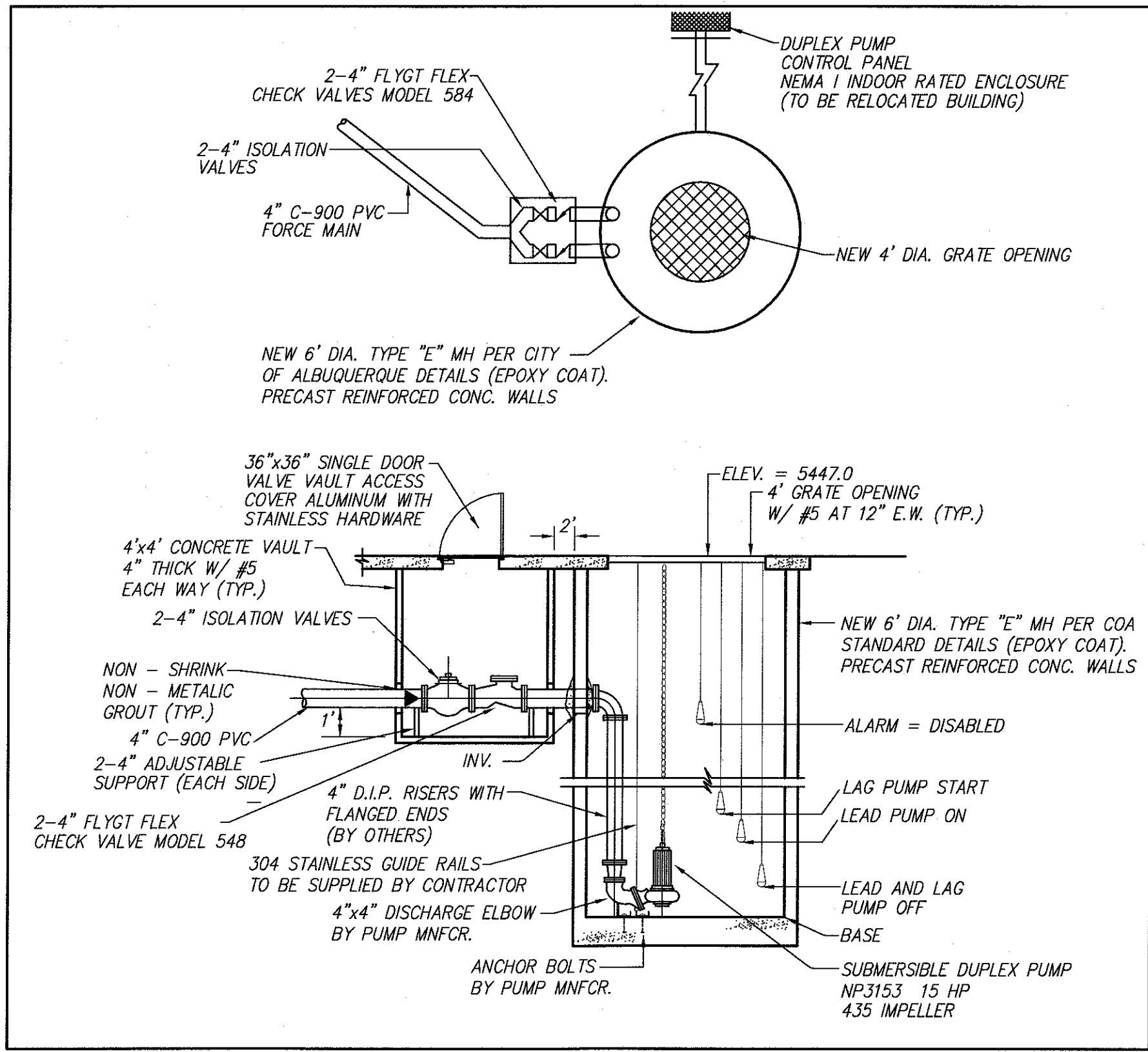
mullen heller
architecture



MULLEN HELLER
ARCHITECTURE
1718 CENTRAL AVE SW
STE. D
ALBUQUERQUE, NM 87109
P 505.268.4144
F 505.268.4244
JOB NUMBER 15-06
www.mullenheller.com

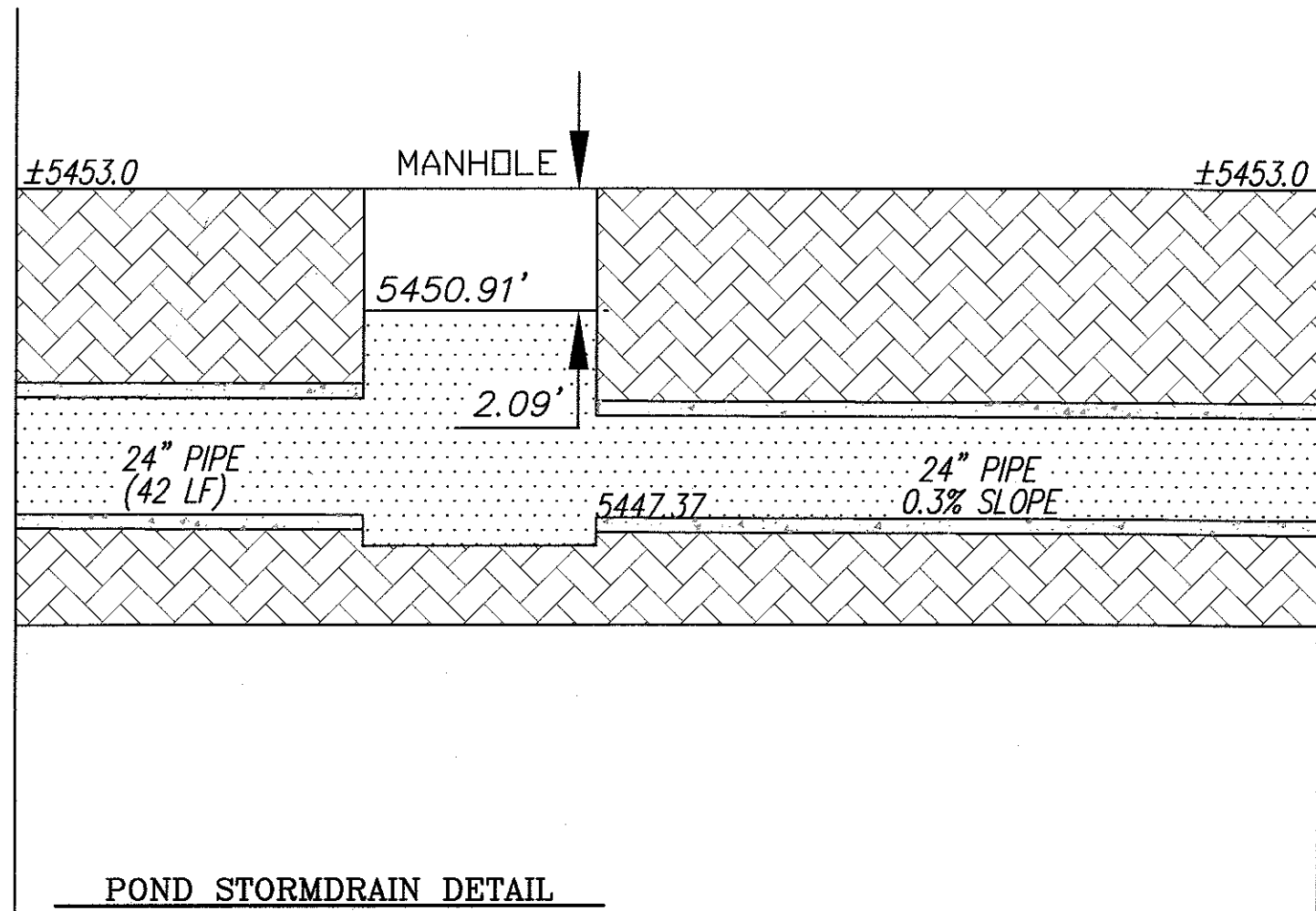
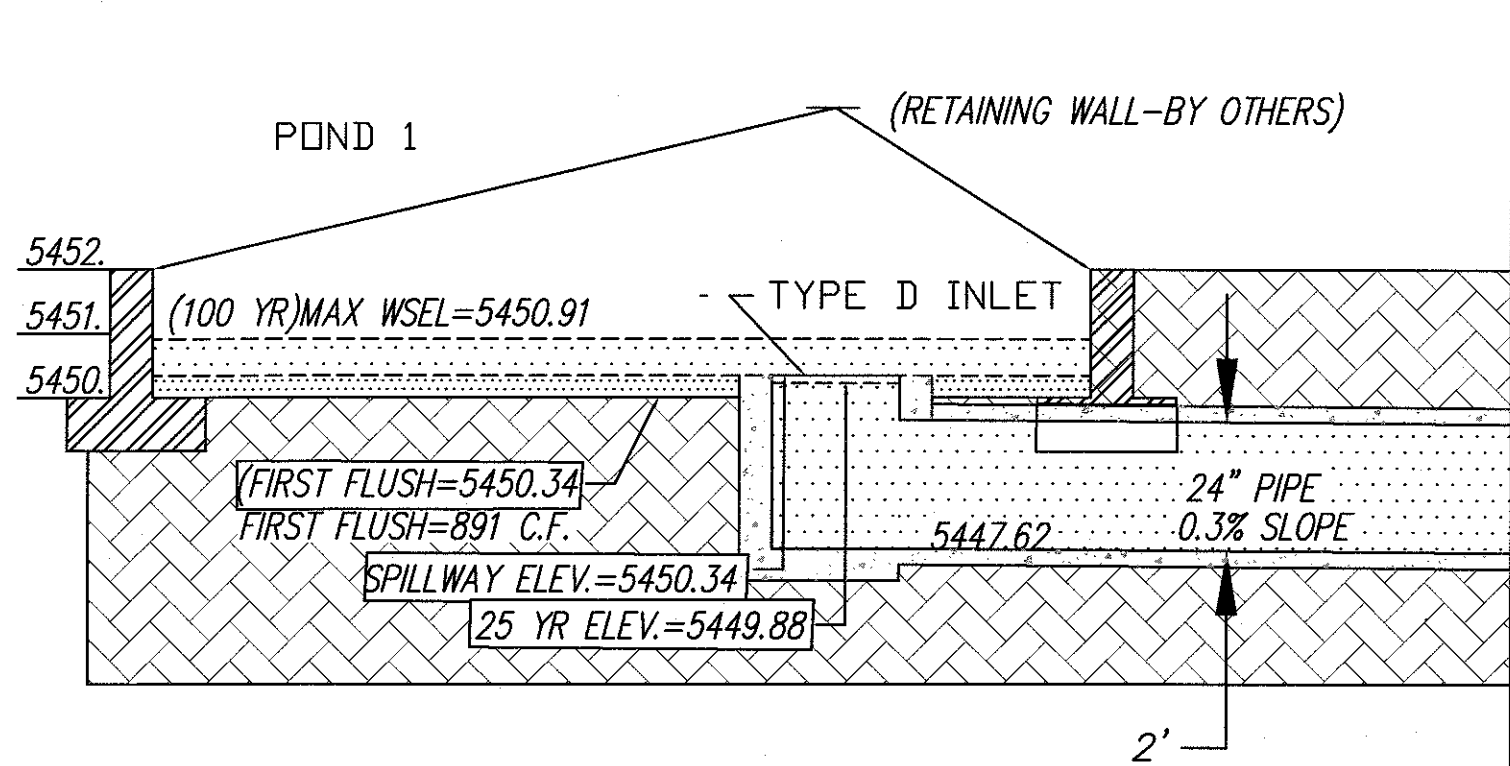
DRAWN BY SEJ
PROJECT MGR MMM
DATE 10-11-2017
PHASE SD

PROJECT Country Club Plaza | Building 3
1716 Central Avenue SW
Albuquerque, NM 87104
TITLE GRADING & DRAINAGE PLAN
SHEET 1 OF 2

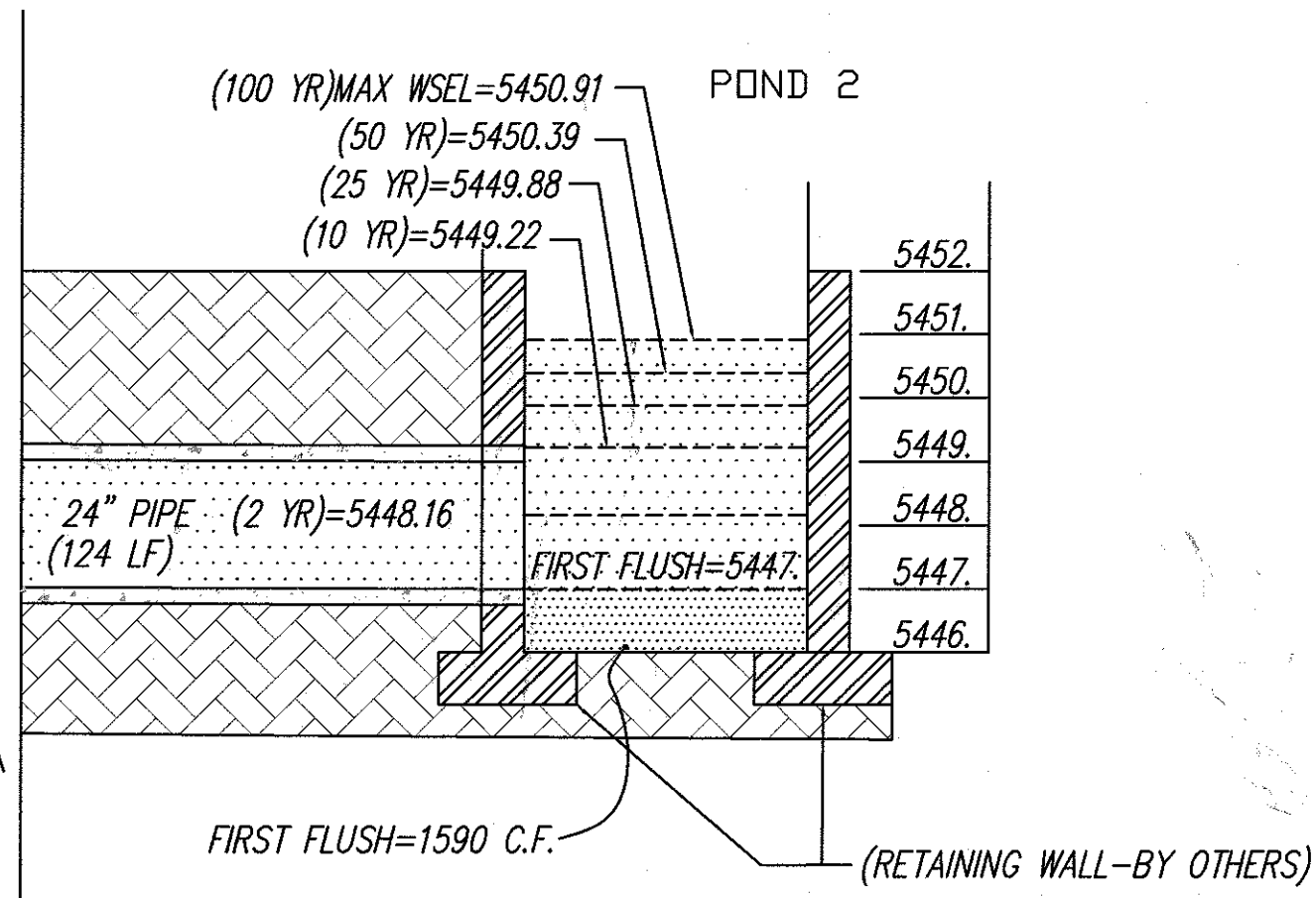


PUMP DETAIL
SCALE: NONE

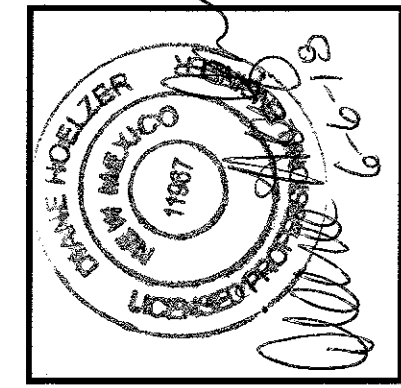
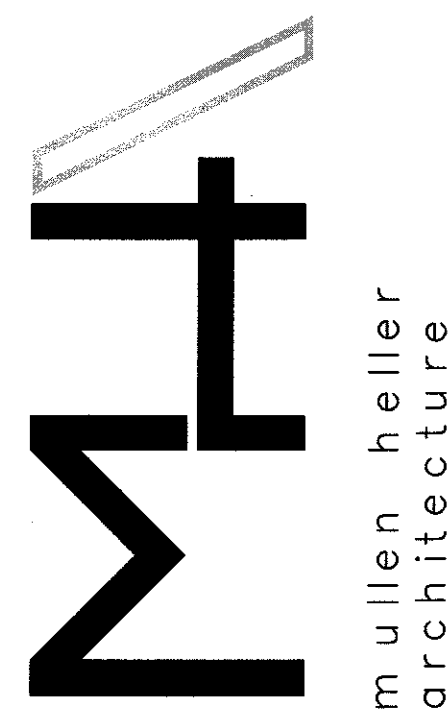
NOTE: MAXIMUM ALLOWABLE DISCHARGE = 1 cfs = 448.83 gpm



POND STORMDRAIN DETAIL
SCALE: 1"=3'



REV	DATE	DESCRIPTION
1	11/11/2017	1716 CENTRAL AVE SW
2	11/11/2017	1716 CENTRAL AVE SW
3	11/11/2017	1716 CENTRAL AVE SW
4	11/11/2017	1716 CENTRAL AVE SW
5	11/11/2017	1716 CENTRAL AVE SW



MULLEN HELLER
ARCHITECTURE
1718 CENTRAL AVE SW |
STE. D
ALBUQUERQUE, NM |
87109
P | 505.268.4144
F | 505.268.4244
JOB NUMBER 15106
WWW.MULLENHELLER.COM
DRAWN BY SEJ
PROJECT MGR MMM
DATE 10-11-2017
PHASE SD

PROJECT
Country Club Plaza | Building 3
1716 Central Avenue SW
Albuquerque, NM 87104
TITLE
GRADING & DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

June 20, 2018

Diane Hoelzer, P.E.
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM, 87199

RE: **Country Club Plaza Bldg 3**
1718 Central SW, Suite D
Revised Grading Plan Stamp Date: 6/6/18
Drainage Report Stamp Date: 12/8/17
Hydrology File: J13D010

Dear Ms. Hoelzer:

PO Box 1293

Based on the information provided in your submittal received on 6/6/18, the revised grading plan cannot be approved for Building Permit or SO-19 until the following are corrected:

Albuquerque

1. Provide a detail for the proposed stubout into the sidewalk culvert. Include the ROW line and dimensional data; a vermin-exclusion cover is recommended. Ensure that the stubout doesn't interfere with pedestrian or vehicle traffic or the functionality of the sidewalk culvert. Also call-out std dwg 2236 for the sidewalk culvert construction. *DONE.*

NM 87103

The resubmittal fee for this request is: \$0 (Pre-IDO project). If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

www.cabq.gov

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services



Flygt N-Technology Pumps

N 3153



Overview

PRODUCT FEATURES

- State-of-the-art wastewater pump with N-technology
- Sustained high efficiency with energy savings up to 25%
- Flexible and modular design
- Robust and reliable

WASTEWATER N-TECHNOLOGY PUMP

Flygt N-pumps take on the toughest applications and get the job done. Every component is designed and manufactured to deliver sustained high efficiency. Thanks to patented N-technology with its innovative self-cleaning impeller, Flygt N-pumps deliver the highest total efficiency. They lower your energy bill and reduce unplanned maintenance costs. That adds up to total peace of mind – and big savings over the long term.

Most solid objects entering the pump will pass through the impeller between the impeller vanes. If an object gets caught on the leading edge of one of the vanes, it will slide along the backswept shape towards the perimeter of the inlet.

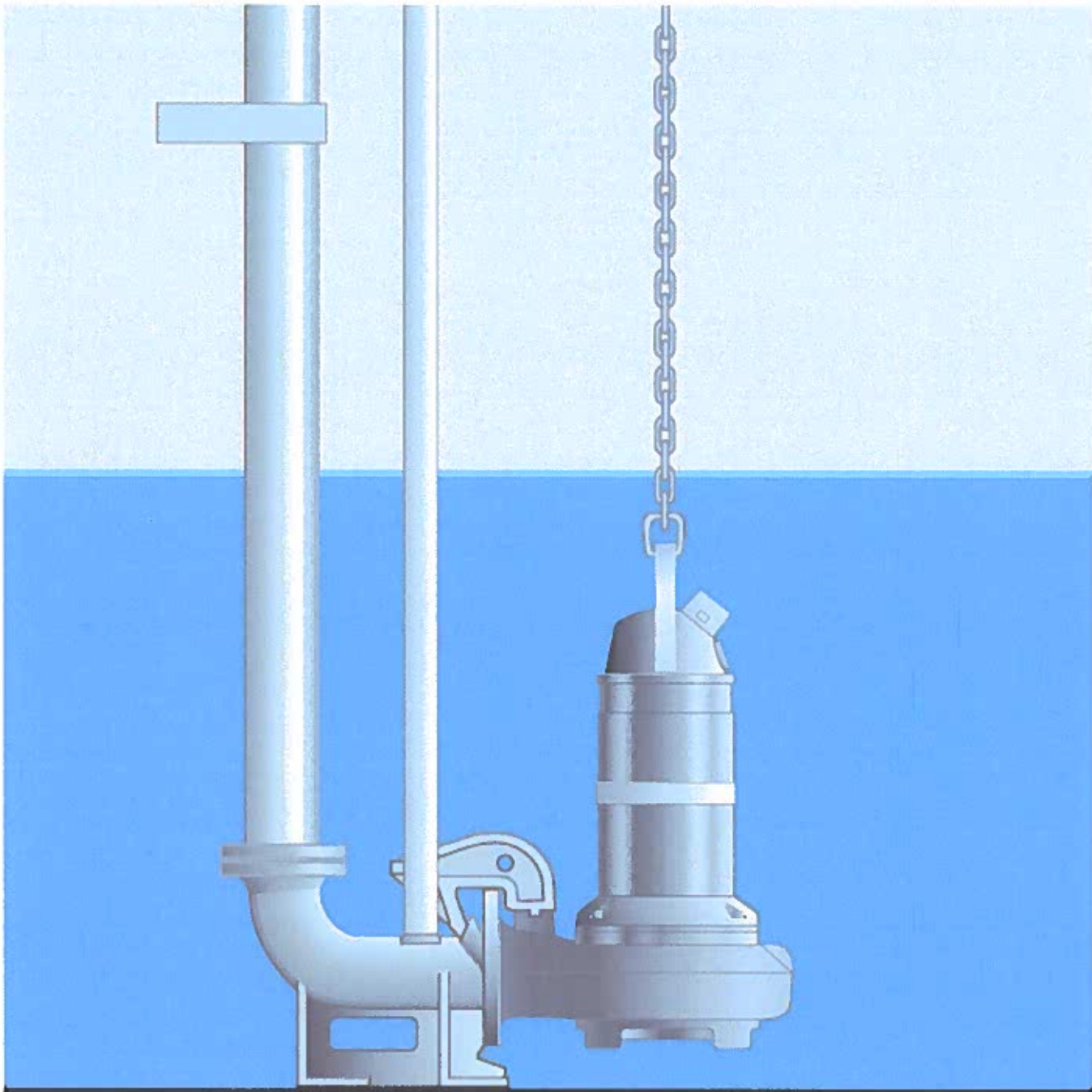
Due to the mechanical self-cleaning design, a sludge concentration up to 8% can easily be pumped.

FLEXIBLE AND MODULAR DESIGN

This self-cleaning pump features innovative functions that make it the best choice for a broad range of applications. The modular hydraulic design enables you to tailor the hydraulics to meet the requirements of virtually any application.

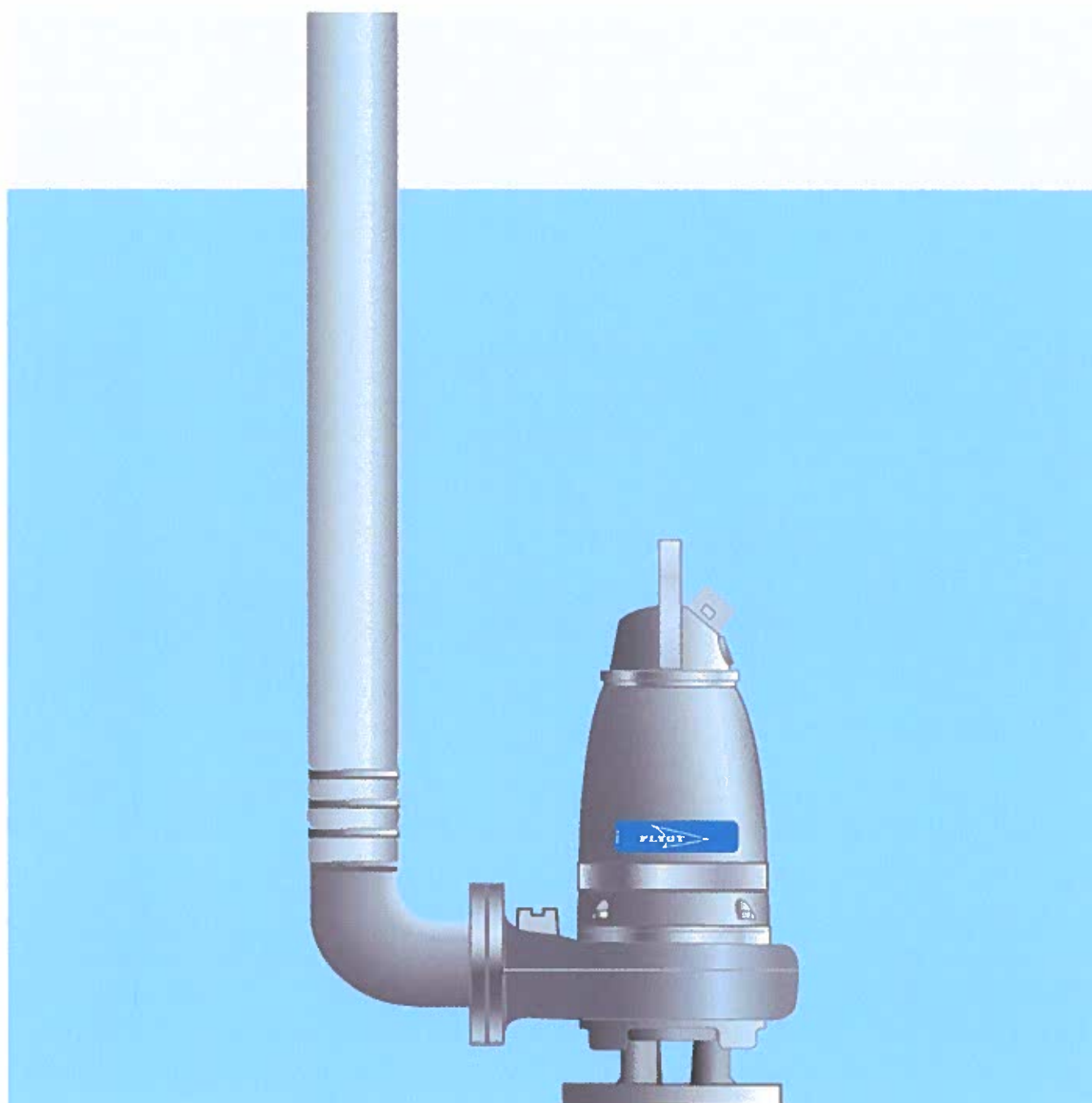
- Replaceable wear ring in two materials, gray iron or Hard Iron™, for different operation conditions
- Hardened gray iron impeller for typical wastewater applications
- Hard Iron™ impeller for abrasive and corrosive applications
- Chopper ring intended for tough wastewater applications where cutting is required due to long fibers and solids
- Stainless steel impeller for special applications that require duplex stainless steel
- Short shaft overhang reduces shaft deflection and increases seal and bearing life
- Motor designed for submersible use. Heat is concentrated to the stator core for improved cooling properties.
- The Plug-in™ seal with Active Seal™ system eliminates the risk associated with incorrect installation and careless handling. All in one unit. Available in Tungsten carbide (WCCR) or Silicone carbide (SiC) depending on pumped media.
- Motor cable SUBCAB® specially developed for submersible use
- Offers flexible cooling systems, e.g. closed-loop cooling system, media cooled or external cooling.

Wet Pit (P)



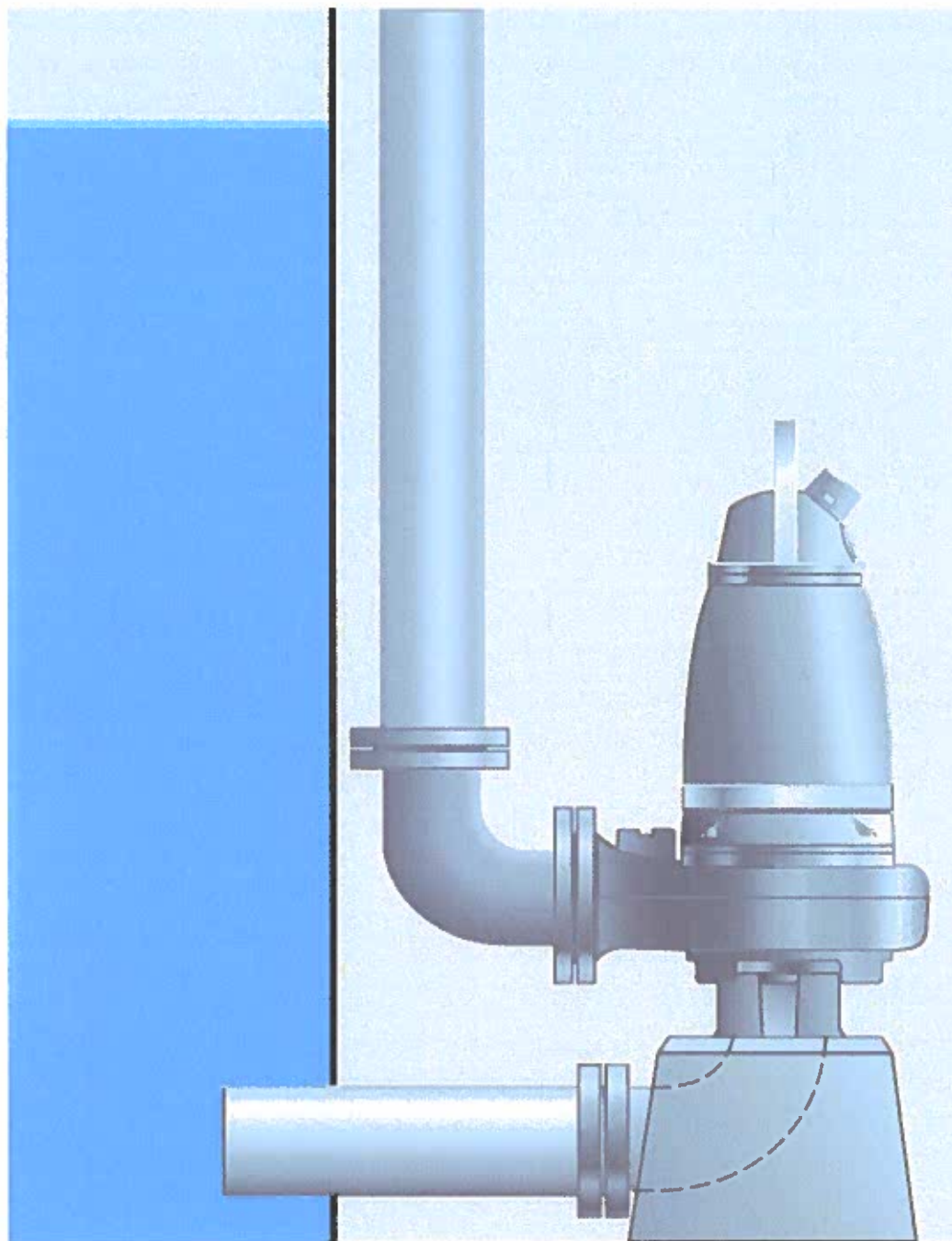
Semi permanent, submersible pump installation. Wet pit arrangement with the pump installed on twin guide bars with automatic connection to the discharge pipe.

Portable (S)



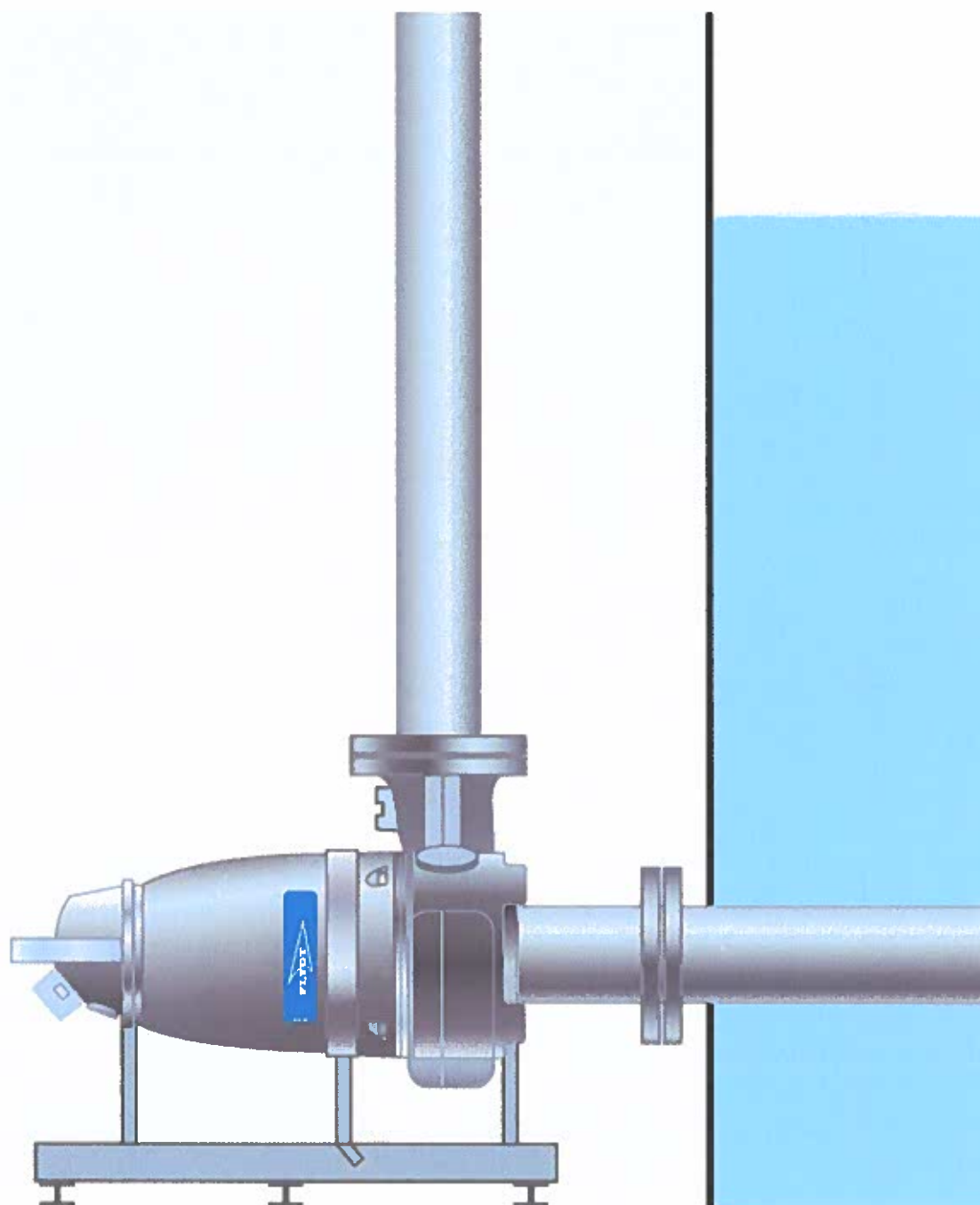
Portable, submersible pump installation. Portable pump with hose coupling or flange for connection to the discharge pipe.

Dry Installation vertical (T)



Vertical, permanent, dry pump installation. The submersible pump is installed in a dry pit, with flange connection to suction and discharge piping.

Dry Installation (Z)



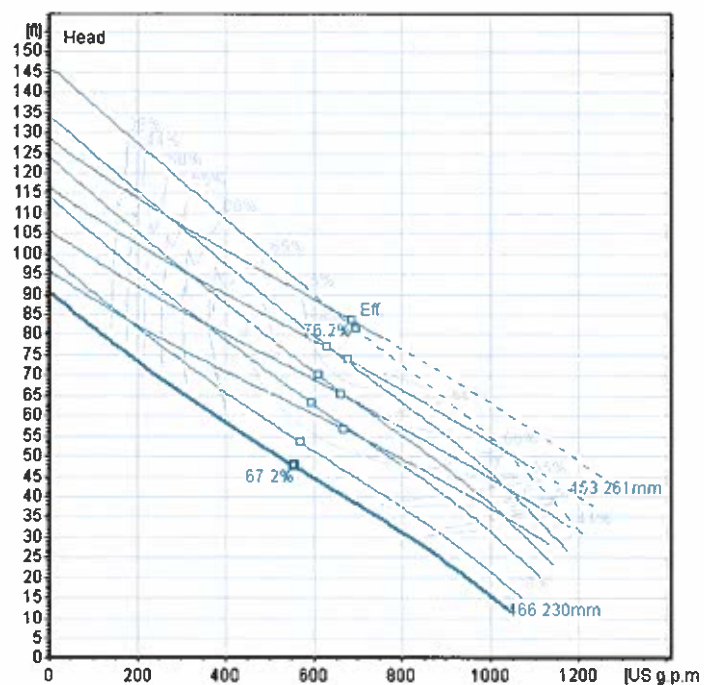
Horizontal, permanent, dry pump installation. The submersible pump is installed in a dry pit, with flange connection to suction and discharge piping.

< >

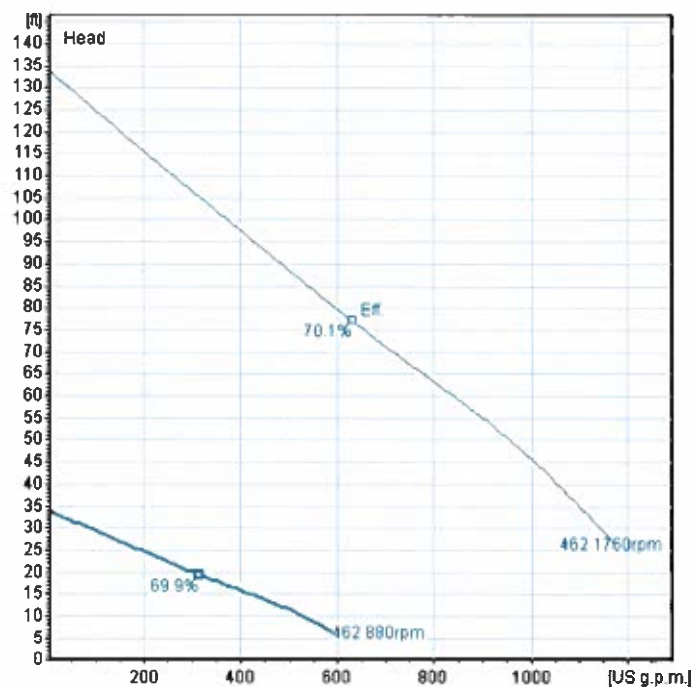
Performance Curves

Performance Curves

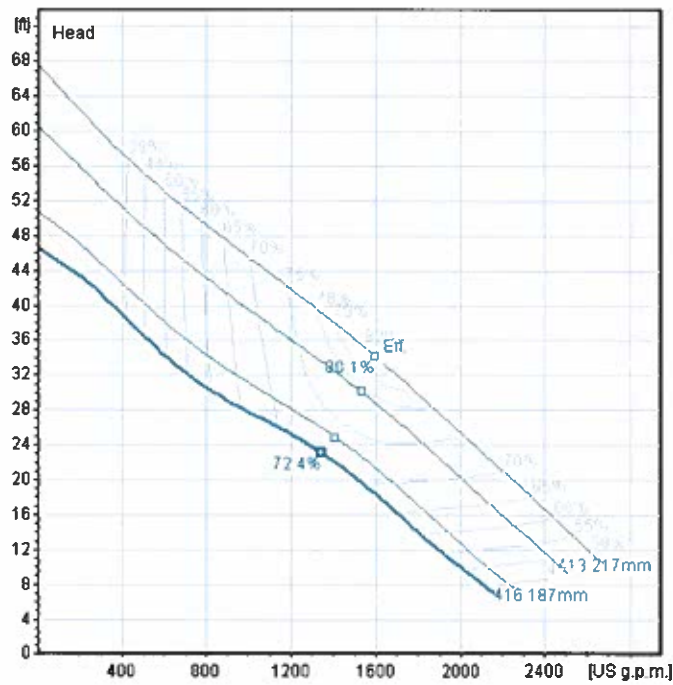
N 3153 HT 3 phase 4 poles 60hz US



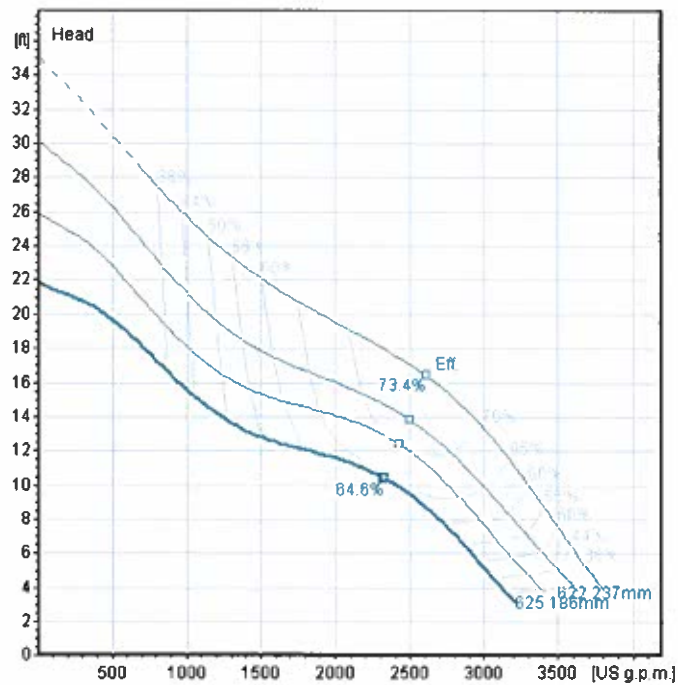
N 3153 HT 3 phase 4 poles SmartRun 60hz US



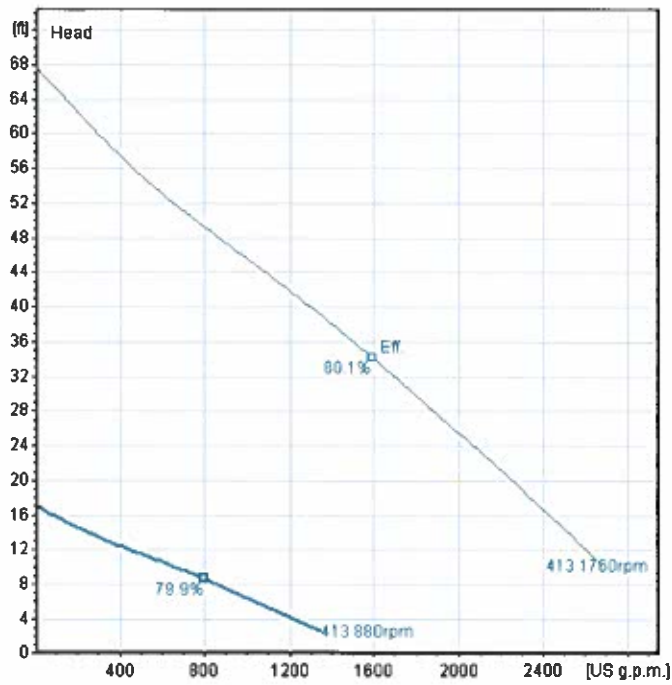
N 3153 LT 3 phase 4 poles 60hz US



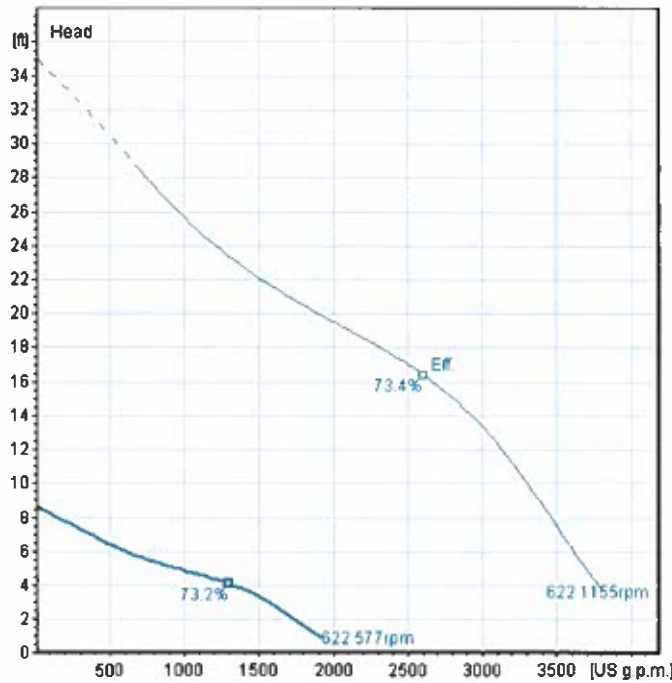
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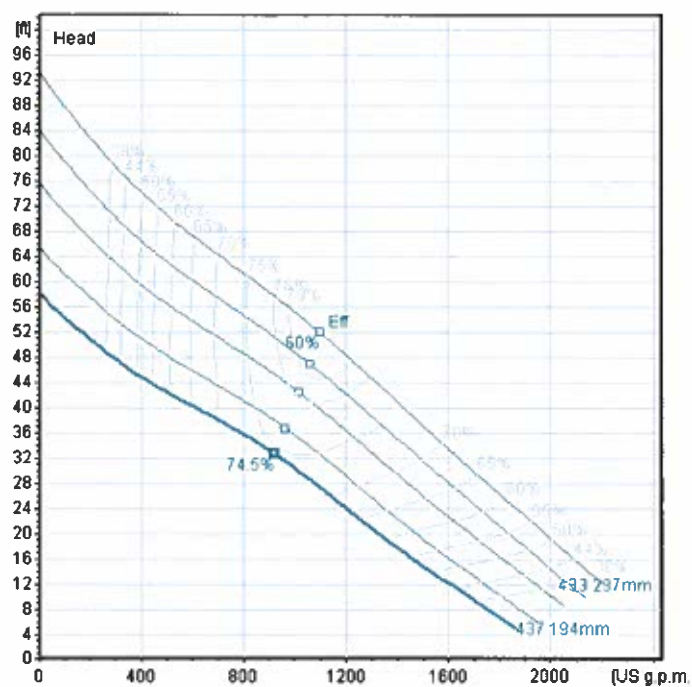
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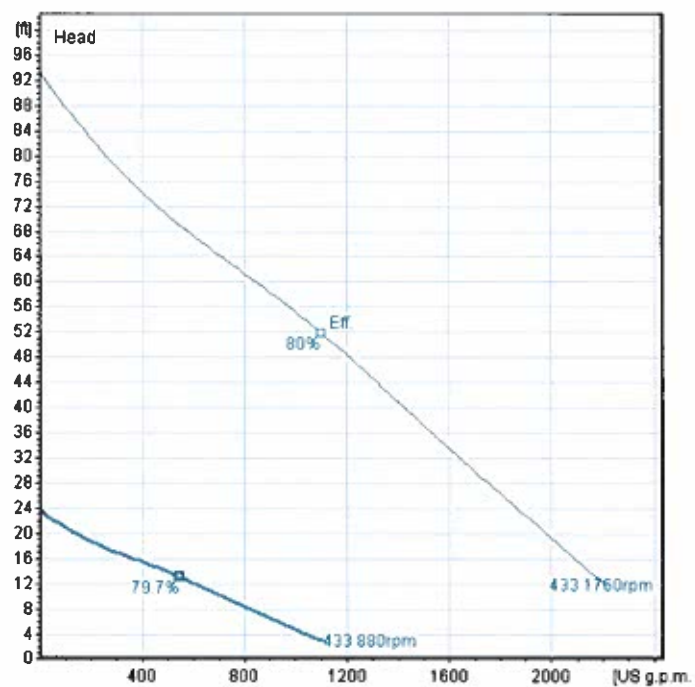
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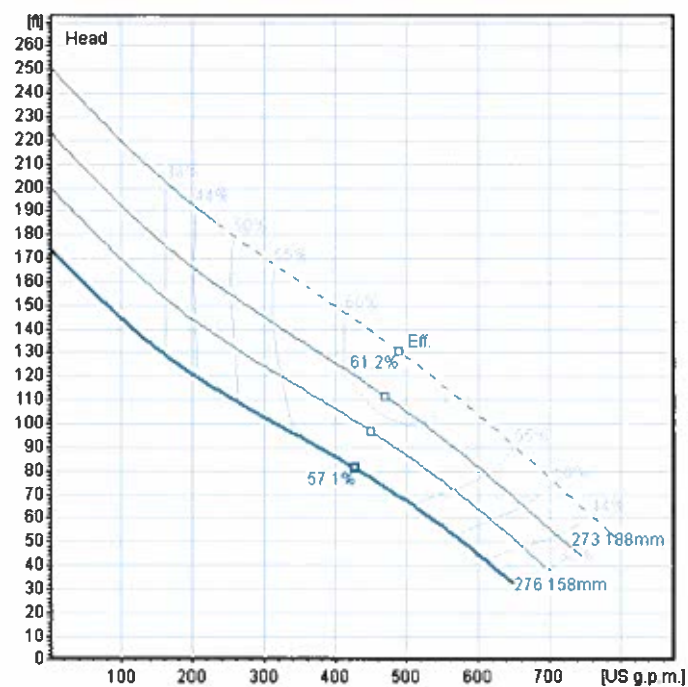
N 3153 MT 3 phase 4 poles 60hz US



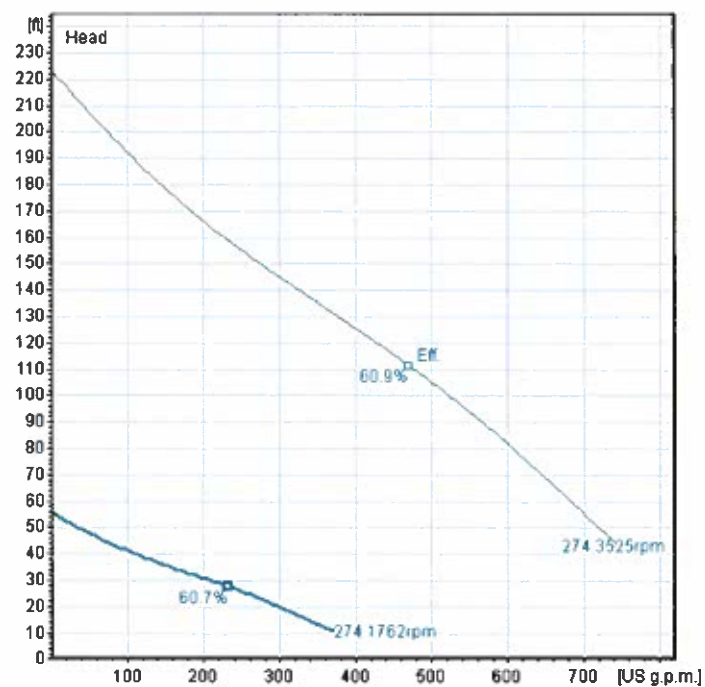
N 3153 MT 3 phase 4 poles SmartRun 60hz US



N 3153 SH 3 phase 2 poles 60hz US



N 3153 SH 3 phase 2 poles SmartRun 60hz US



Accessories

Access Cover

- Heavy-duty access cover
- Suitable for pump stations located under roads
- Made of ductile iron

Flygt TOP sump bottom with discharge connection and guide system

- Flygt TOP patented geometry for a clean sump
- Sediments are cleared by water turbulence
- Discharge connection with MULTI-JOINT® pipe connection
- Twin guide bars ensure correct pump position
- Automatic pump hook-up to the discharge pipe

Dry pump installation, horizontal

- Submersible pumps in dry installations are flood proof and leakage free
- Motors bigger than 10kW feature built-in cooling and require no external ventilation
- Good service access to pump suction side with unique telescopic opening
- Flygt Z lifting equipment simplifies service
- Optional rails and service cart

Dry pit pump installation, vertical

- Submersible pumps in dry installations are flood proof and leakage free
- Motors bigger than 10kW have built-in cooling and require no external ventilation
- Good service access to pump suction side
- Complete installation kit with pump stand and suction pipe
- Flexible installation

Competitor Adaptors

- Flygt Connect adaptors are used for retrofitting Flygt submersible pumps in stations with pumps from other suppliers.
- Flygt submersible pumps with self-cleaning N-technology give sustained high efficiency, bringing a low overall energy cost while also minimizing service calls.
- Flygt pumps can replace pumps in most pump stations. Just fit the original sliding bracket on the Flygt pump.