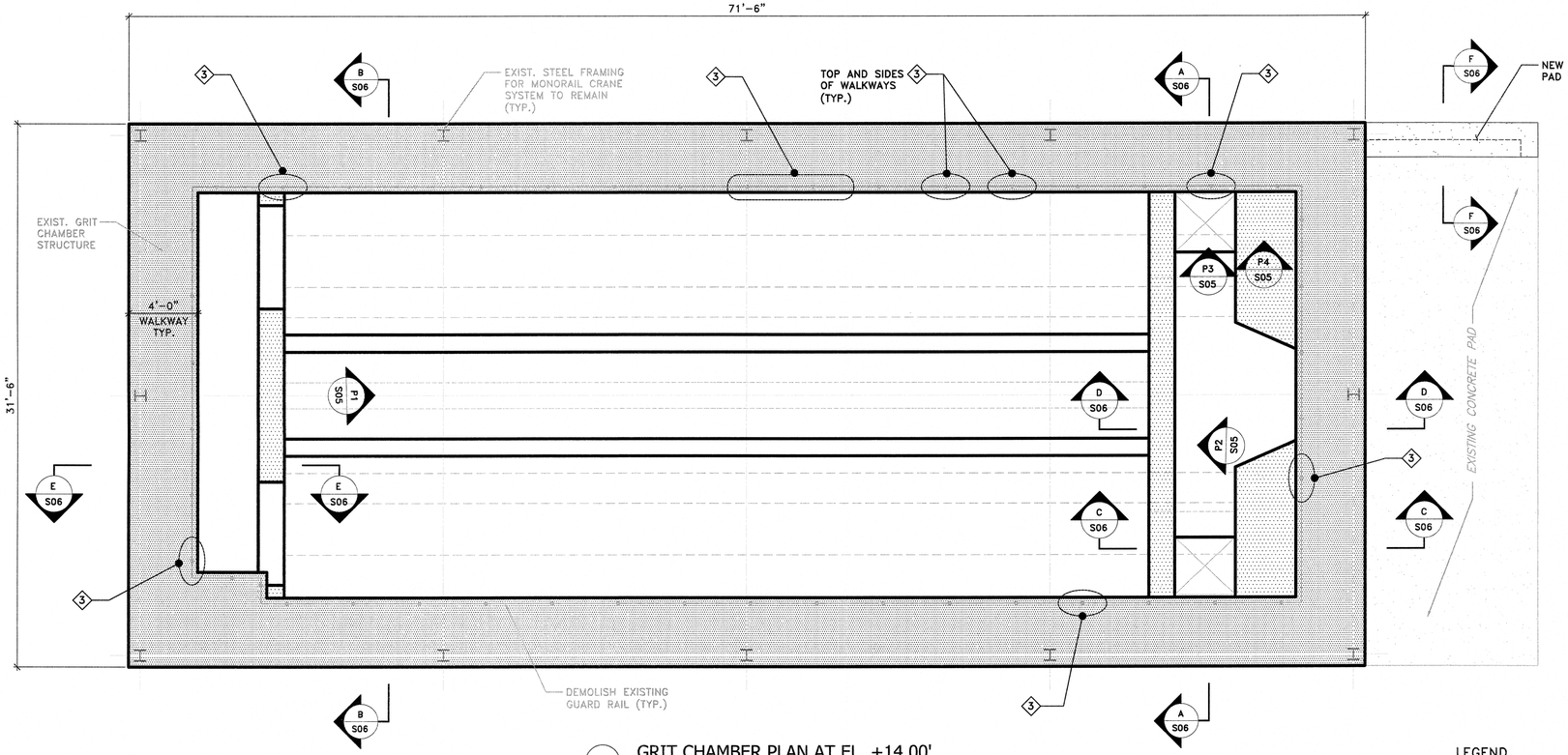
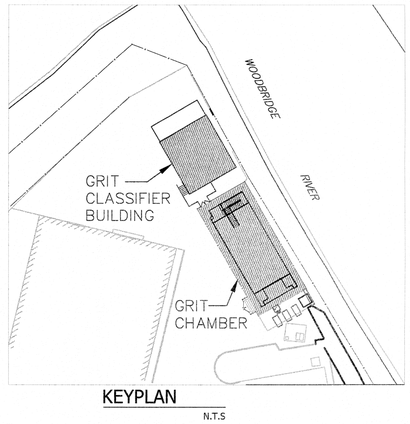


1 GRIT CHAMBER PLAN AT EL. +14.00'

SCALE 1/4"=1'-0"

NOTE: MECHANICAL EQUIPMENT, FIBERGLASS PLATFORMS AND STAIRS NOT SHOWN FOR CLARITY.



KEYPLAN

N.T.S

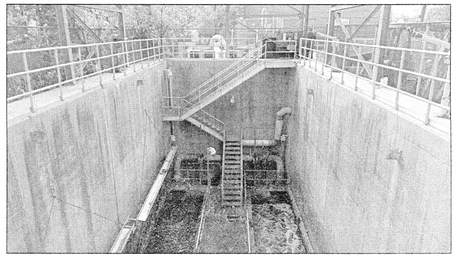


PHOTO 1 – GRIT CHAMBER – INSIDE VIEW, EXISTING CONDITION

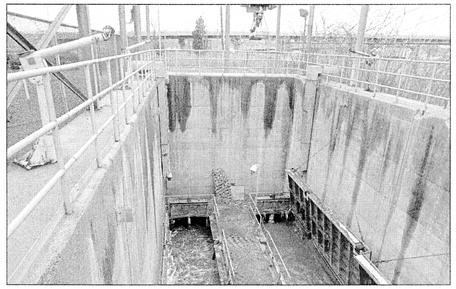


PHOTO 2 – GRIT CHAMBER – INSIDE VIEW, EXISTING CONDITION

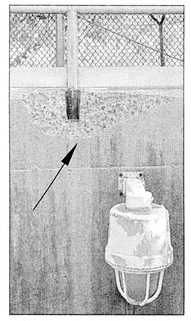


PHOTO 3
TYPICAL CONCRETE SPALL

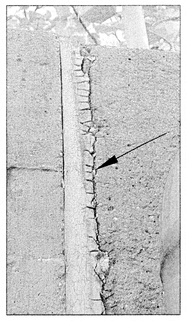


PHOTO 4
TYPICAL DETERIORATED JOINT

CONCRETE REPAIR SCHEDULE AND NOTES

CONCRETE REPAIR SCHEDULE			
ITEM	DESCRIPTION	UNIT	QUANTITY
1	CONCRETE REPAIRS – TYPE A	SF	100
2	CONCRETE REPAIRS – TYPE B	SF	100
3	CONCRETE REPAIRS – TYPE C	SF	100
4	CONCRETE REPAIRS – TYPE D	SF	50
5	CONCRETE CRACK REPAIR BY EPOXY INJECTION	LF	100
6	CONCRETE CRACK REPAIR BY CHEMICAL GROUTING	LF	300
7	CAULKING AND SEALING OF CRACKS AND JOINTS	LF	400
8	PARGE COAT	SF	12000*

NOTES:

1. THE VALUES OF THE CONCRETE REPAIRS ARE APPROXIMATE AND FOR BID PURPOSES ONLY.
2. EXAMPLE LOCATION OF THE CONCRETE REPAIRS SHOWN ON THE PLANS, HOWEVER CONCRETE REPAIRS INCLUDE ENTIRE GRIT CHAMBER SURFACE INCLUDING CONCRETE FLOORS, CEILINGS, WALLS, TROUGHS, ETC.
3. THE ENTIRE CONCRETE SURFACE AND OTHER AREAS OF GRIT CHAMBER DESIGNATED FOR CONCRETE REPAIRS SHALL BE POWER WASHED WITH 3000 PSI PRESSURE PRIOR MARKUP AND ANY CONCRETE REPAIR.
4. PRIOR TO COMMENCING REPAIRS, THE ACTUAL LOCATIONS AND QUANTITIES SHALL BE DETERMINED IN THE FIELD, MARKED OUT BY THE CONTRACTOR WITH KEEL, TABULATED ON A REVISED PROPOSAL AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
5. SEE SHEET S04 FOR CONCRETE REPAIR PROCEDURES.
6. THE CONTRACTOR SHALL DEMOLISH EXISTING ALUMINUM GUARD. FOR LOCATION OF EMBEDDED GUARD POST WITH SOLID CONCRETE AROUND WITHOUT VISIBLE CRACKS OR SPALLS, GUARD POST SHALL BE FLUSH CUT WITH THE CONCRETE SURFACE AND FILL WITH NON-SHRINK GROUT.
7. PARGE COAT SHALL BE APPLIED AS PER EPOXY COATING MANUFACTURER'S RECOMMENDATIONS TO PROVIDE REQUIRED SURFACE ROUGHNESS AND/OR BLOCK EXCESS MOISTURE CONTENT IN CONCRETE PRIOR TO EPOXY COATING APPLICATION.

* ASSUMED PARGE COAT QUANTITY (ALL PAINTING AREA) IS FOR BID PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY CONCRETE ROUGHNESS AND MOISTURE CONTENT OF CONCRETE WITH EPOXY COATING MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL PROVIDE MEASUREMENTS IN FIELD AND SUBMIT TO ENGINEER FOR APPROVAL.

GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN ARE BASED ON RECORD PLANS. PRESENTATION OF AVAILABLE INFORMATION ON THESE DRAWINGS IN NO WAY IMPLIES ITS COMPLETENESS OR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR THE FIELD MEASUREMENT OF ALL EXISTING ITEMS AND FOR VERIFYING THE ACCURACY OF THE INFORMATION PRESENTED HEREIN.
2. SEE S01 FOR GENERAL CONCRETE NOTES & DETAILS.
3. SEE S03 FOR GENERAL STEEL NOTES AND DETAILS.
4. SEE S04 AND S05 FOR CONCRETE REPAIR PROCEDURES.
5. SEE M-SERIES DRAWINGS FOR PIPING AND MECHANICAL EQUIPMENT.
6. SEE D-DERIES DRAWINGS FOR DEMOLITION EXITING EQUIPMENT, RAILING, STAIRS AND PLATFORMS.
7. FOR STAIRS, PLATFORMS AND GUARDRAILS SEE A-SERIES DRAWINGS.
8. SEE OTHER DISCIPLINES DRAWINGS FOR SIZE AND LOCATION OF CONCRETE WALL AND SLAB PENETRATIONS. SEE DRAWING S01 FOR TYPICAL PENETRATION DETAILS.
9. FOR GRIT CHAMBER CRANE SYSTEM SEE SHEET S08.
10. COATING USED SHALL BE EPOXY OR EQUAL AND SHALL BE RESISTANT TO WASTEWATER, SEE SPECIFICATION.
11. ALL CONCRETE REPAIRS SHALL BE COMPLETED PRIOR COATING APPLICATION.
12. COATING SHALL BE APPLIED PRIOR TO INSTALLATION OF PLATFORM, STAIRS AND MECHANICAL EQUIPMENT, EXCEPT EQUIPMENT EMBEDDED IN CONCRETE. CONTRACTOR SHALL TIGHTLY COVER EMBEDED EQUIPMENT TO PREVENT THEIR PAINTING.
13. PIPE SUPPORTS FOR ALL PIPING SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AND DESIGNED BY A N.J. LICENSED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. SUPPORTS SPECIFICALLY SHOWN ON THE PLANS SHALL BE PROVIDED IN ADDITION TO ANY REQUIRED BY THE PIPE HANGER/SUPPORT DESIGN.
14. ANY EQUIPMENT FOUNDATION DIMENSIONS, LAYOUT, ELEVATION AND ANCHOR BOLTS (LOCATIONS AND EMBEDMENT) SHALL BE VERIFIED AND COORDINATED WITH FINAL VENDOR DRAWINGS AND APPROVED BY ENGINEER.

LEGEND

- HORIZONTAL SURFACE TO BE COATED
- VERTICAL AND/OR HORIZONTAL SURFACES TO BE COATED
- CRACK IN CONCRETE TO BE REPAIRED
- CONTROL JOINT (CTL. J)
- P1 / S05 — PHOTO 1 ON SHEET S05

CONCRETE REPAIR LEGEND PAY ITEMS

1. CONCRETE REPAIRS – TYPE A
2. CONCRETE REPAIRS – TYPE B
3. CONCRETE REPAIRS – TYPE C
4. CONCRETE REPAIRS – TYPE D
5. CONCRETE CRACK REPAIR BY EPOXY INJECTION
6. CONCRETE CRACK REPAIR BY CHEMICAL GROUTING
7. CAULKING AND SEALING OF CRACKS AND JOINTS
8. CONCRETE REPAIRS – PARGE COAT

APPROVED: 4/13/17

Richard A. Alaimo
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 13195

REVISIONS	DATE	BY

RICHARD A. ALAIMO ENGINEERING COMPANY
Consulting Engineers
NJDCA 24GA27988800
200 HIGH STREET MOUNT HOLLY, N.J.
2 MARKET STREET PATERSON, N.J.

GRIT CHAMBER UPGRADE

GRIT CHAMBER PLAN

SCALE: AS NOTED

CLIENT: WOODBRIDGE TOWNSHIP

PROJECT LOCATION: WOOBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

PROJECT NO.: B-0726-0023-000

CONTRACT NO.: 1230

DATE: APRIL 2017

DESIGNED BY: PG

DRAWN BY: PG

CHECKED BY:

DEPT. HEAD:

SHEET S05

FILE NO.:

Plotted: 4/10/2017 3:05 PM Last saved: 1/4/2017 1:36 PM File Name: K:\Projects\B0726002300\Drawings\City-SOS_Grit_Chamber_Plan.dwg