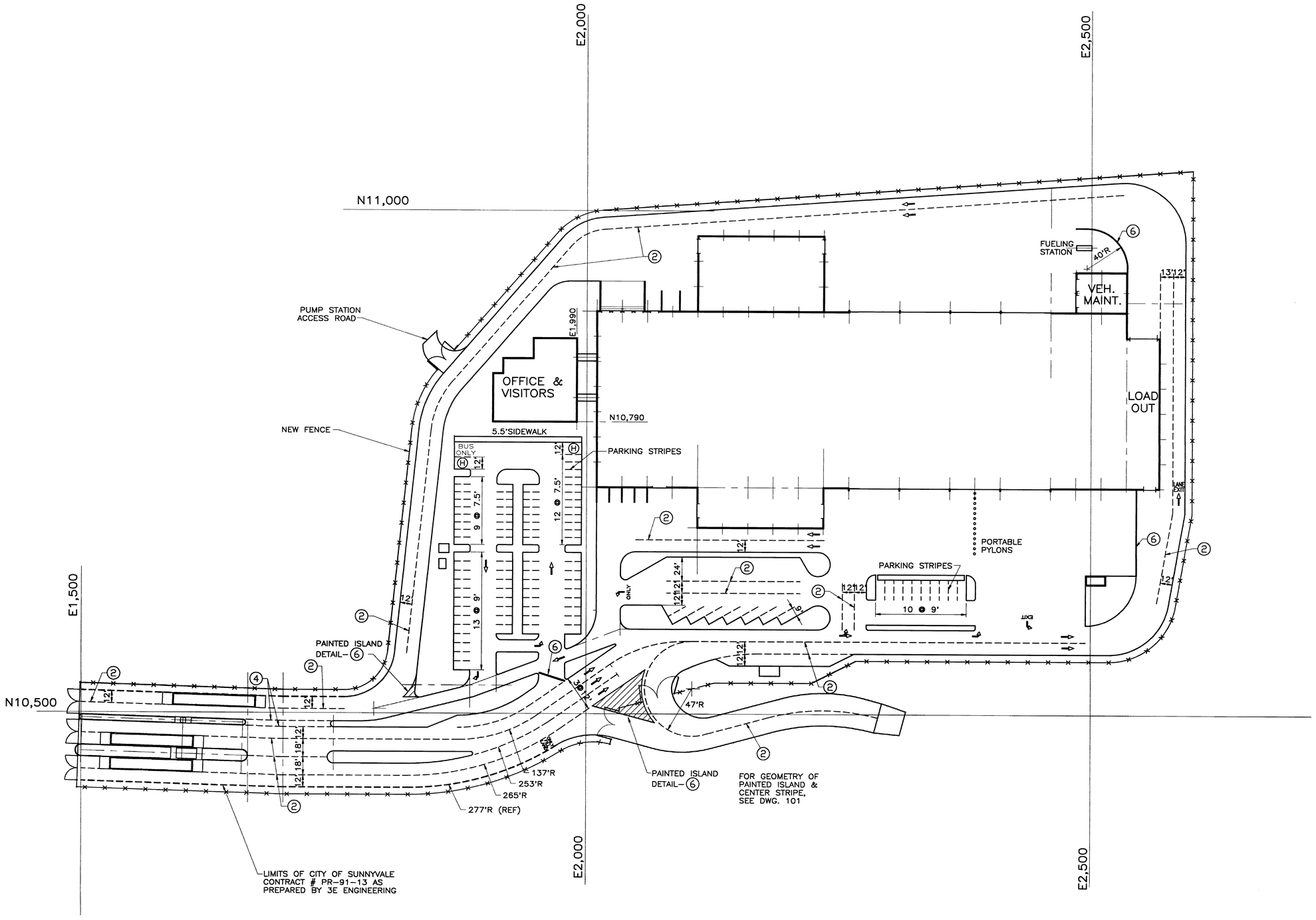
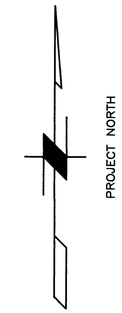
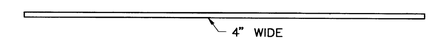
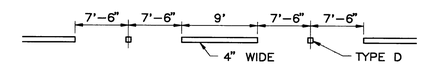


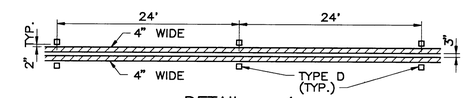




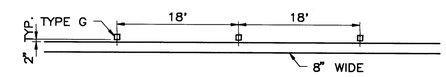
PARKING STRIPE



DETAIL – 2
WHITE STITCH LINE (NO MEDIAN)



DETAIL – 4
DOUBLE YELLOW LINE (NO MEDIAN)



DETAIL – 6
8" WHITE CHANNELIZATION STRIPE

Ⓗ CITY OF SUNNYVALE STANDARD HANDICAPPED SYMBOL (2 REQUIRED)

NOTES:

1.) CONTRACTOR SHALL INSTALL ALL STRIPING & DIRECTION ARROWS IN ACCORDANCE WITH THE CITY OF SUNNYVALE STANDARDS, 1991.

2.) ALL LANE STRIPING SHALL BE WHITE WITH REFLECTORS.

50 0 50 100
SCALE IN FEET

No.	DATE	BY	REVISION
C	9/14	RWC	LANDFILL ACCESS REVISED
B	9/4	RWC	FOR BID PURPOSES
B	8/21	RWC	OWNER REVIEW
A	7/21	RWC	COMPACTOR ADDITION / OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1"=50'	DRAWN BY: PF	APPROVED BY:
	CHECKED BY:	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

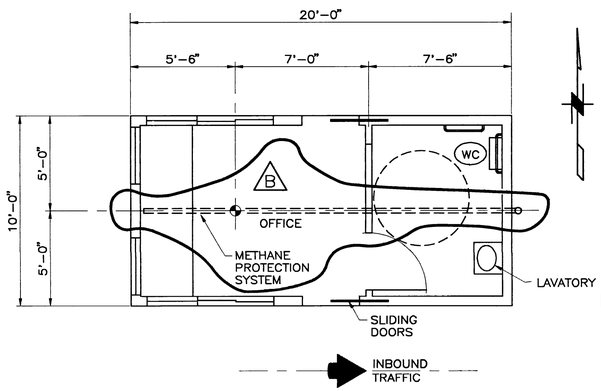
CITY OF SUNNYVALE CALIFORNIA

CITY OF SUNNYVALE
CALIFORNIA
PR-92-15

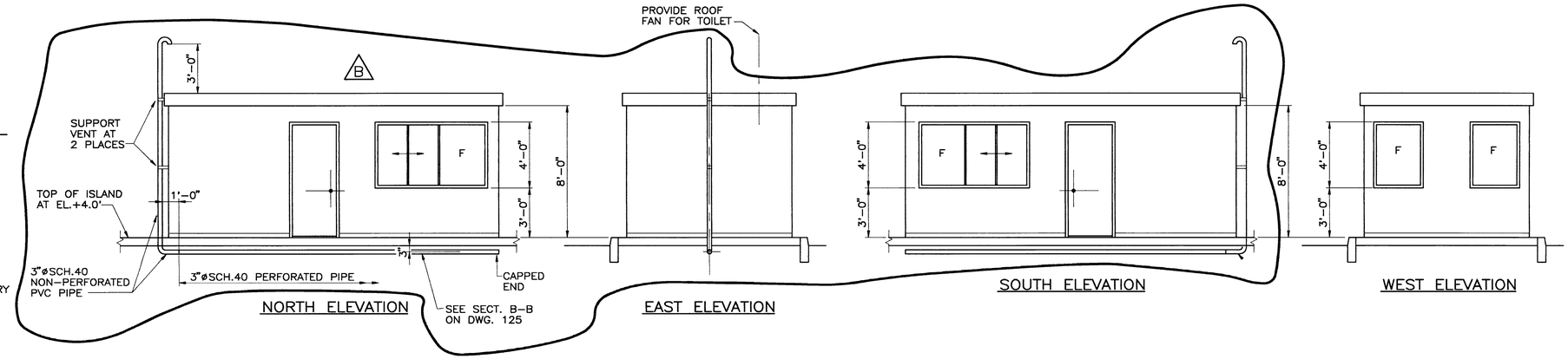
SMaRT STATION
SITE PREPARATION
PAVEMENT & STRIPING PLAN

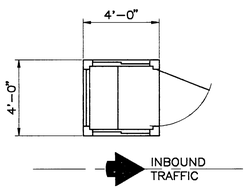
DRAWING NUMBER: 106
CADFILE=106C

SHEET 14/74
ISSUE C

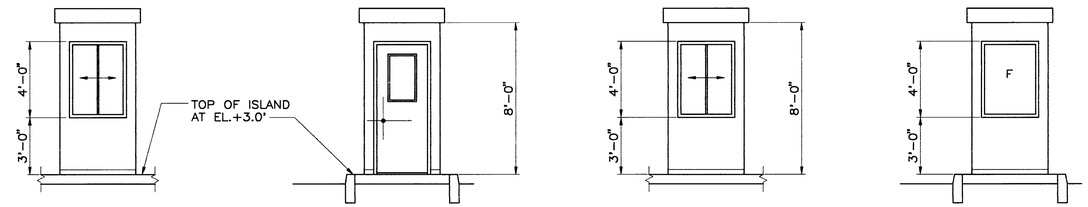


SCALE HOUSE PLAN VIEW





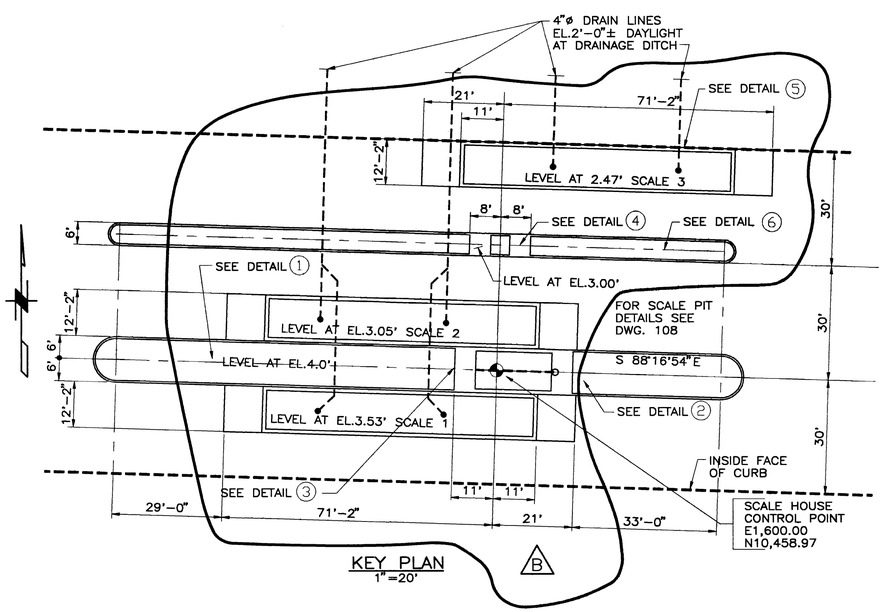
PAY BOOTH PLAN VIEW
(2 REQ'D.)
1 @ ENTRANCE SCALES
1 @ BUY-BACK ISLAND



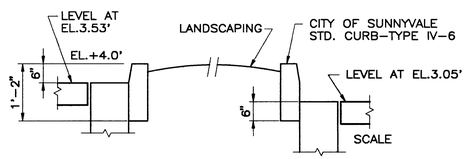
NOTES:

1.) SCALE HOUSE AND PAYBOOTHS SHALL BE SUPPLIED BY B.I.G. CUSTOM ENTERPRISES INC. 9702 EAST RUSH STREET. SOUTH EL MONTE CA. 91733-1730 (OR APPROVED EQUAL)

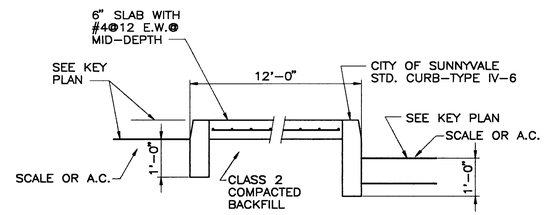
2.) THIS DRAWING SHOWS GENERAL LAYOUT OF THE HOUSE AND BOOTH. THE SIZE AND LOCATION OF THE DOORS AND WINDOWS CAN BE MODIFIED TO SUIT MANUFACTURER STANDARDS.



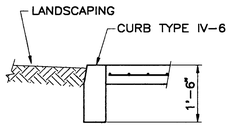
KEY PLAN
1"=20'



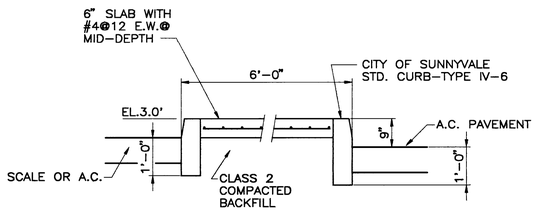
DETAIL-1
1/2" = 1'-0"



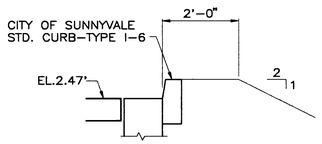
DETAIL-2
1/2" = 1'-0"



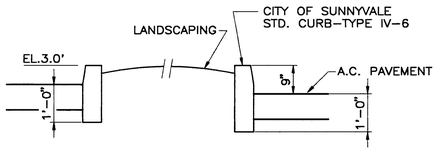
DETAIL - 3
1/2" = 1'-0"



DETAIL-4
1/2" = 1'-0"



DETAIL-5
1/2" = 1'-0"



DETAIL - 6
1/2" = 1'-0"

No.	DATE	BY	REVISION
B	10/5	RWC	ISSUED FOR ADDENDA #1
A	9/4	RWC	FOR BID PURPOSES
A	8/21	RWC	FOR OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1/4" = 1'-0" UNLESS NOTED	DRAWN BY: H.HOLT	APPROVED BY: RWC
	CHECKED BY: RWC	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

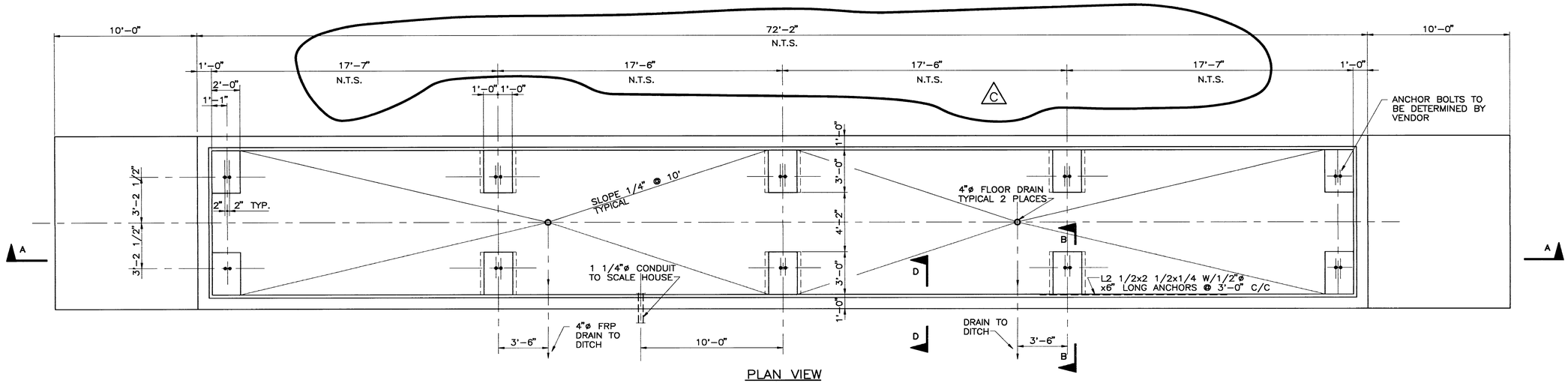
CITY OF SUNNYVALE CALIFORNIA

SMaRT STATION
SITE
SCALE HOUSE - PLAN & DETAILS

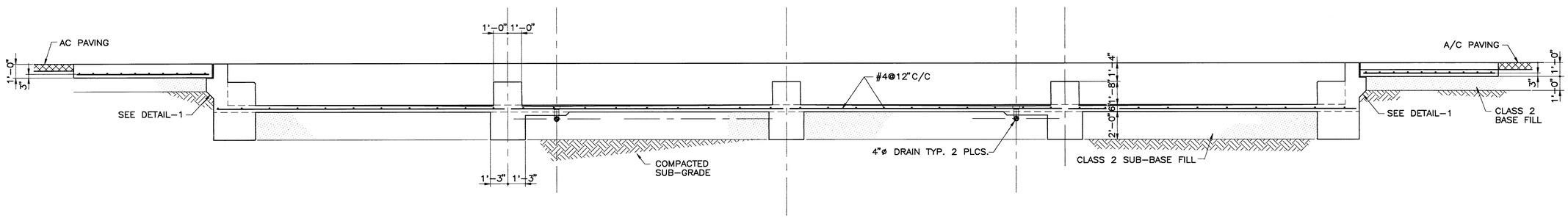
DRAWING NUMBER: 107

SHEET 15/74

ISSUE B

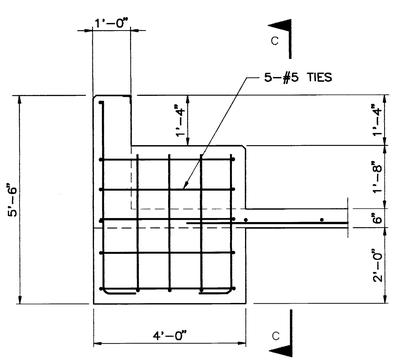


PLAN VIEW

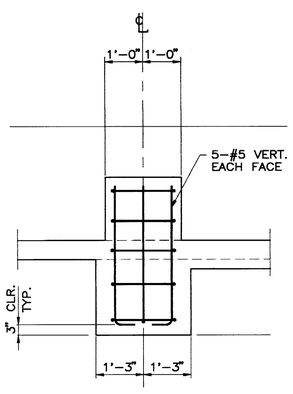


SECTION A – A

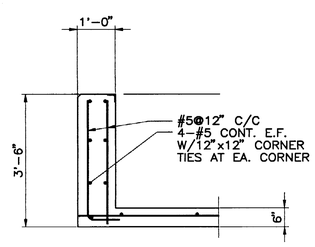
3 REQ'D. (FOR LOCATIONS SEE DWG. 107)



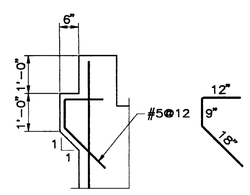
SECTION B – B
TYPICAL PIER
10 LOCATIONS
1/2" = 1'-0"



SECTION C – C
1/2" = 1'-0"



SECTION D – D
1/2" = 1'-0"



DETAIL – 1
1/2" = 1'-0"

NOTES AND SPECIFICATIONS.

1.) SCALE SHALL BE 100 TONS GROSS CAP. 70'-0" LONG, 10'-0" WIDE. N.T.E.P. APPROVED. C

2.) LOAD CELLS SHALL BE 60,000 LB. CAP. W/150% OVERLOAD RATING. CELLS SHALL BE ACCESSIBLE AND REMOVABLE THRU INSPECTION PLATES. ON TOP OF SCALE DECK. SURGE VOLTAGE PROTECTION FOR LOAD CELLS SHALL BE INCLUDED IN ELECTRONIC SUMMING CIRCUITRY.

3.) SCALE DECK SHALL BE DESIGNED FOR 35 TON C.L. AND PREPARED FOR 6" CONC. SLAB.
AN 18"ø ACCESS DOOR SHALL BE PROVIDED ABOVE EACH FLOOR DRAIN.
DECK SHALL BE GROUNDED.
A RIGID CHECK SYSTEM SHALL PROVIDED FOR PROMPT WEIGHT.

4.) FOR ADDITIONAL DETAILS, SEE SPECIFICATIONS.

THE DIMENSIONS AND DETAILS OF THESE SCALE PITS ARE APPROXIMATE, AND SUPPLIED FOR REFERENCE ONLY. THE FINAL DIMENSIONS & DETAILS SHALL BE SUPPLIED BY THE APPROVED SCALE VENDOR AND SHALL BE PART OF THE CONTRACTOR'S BID

No.	DATE	BY	REVISION
C	10/5	RWC	ISSUED FOR ADDENDA #1
B	9/14	RWC	NOTE REVISED– FOR BID PURPOSES
A	9/4	RWC	FOR BID PURPOSES
A	8/21	RWC	FOR OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1/4" = 1'-0" UNLESS NOTED	DRAWN BY: H.HOLT	APPROVED BY: RWC
	CHECKED BY: RWC	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

CITY OF SUNNYVALE CALIFORNIA

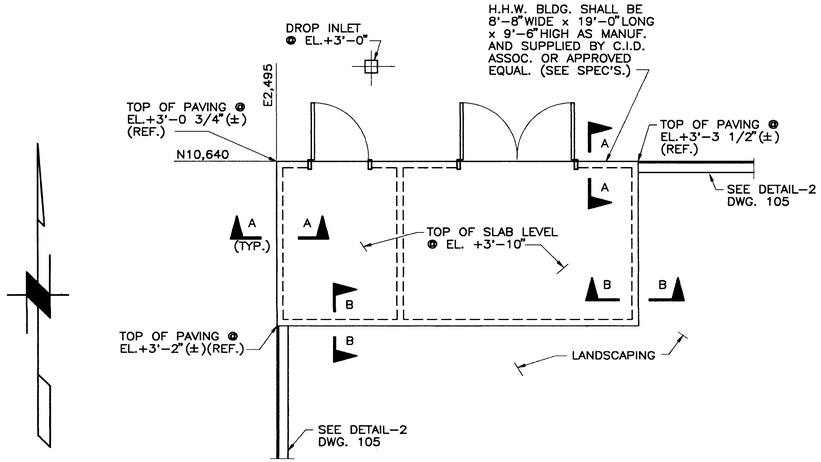
CITY OF SUNNYVALE
CALIFORNIA

SMaRT STATION
SITE
TRUCK SCALES – PLAN & DETAILS

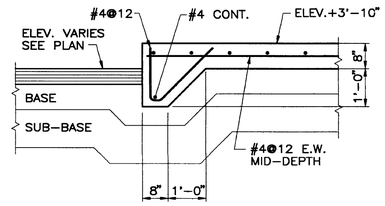
DRAWING NUMBER: 108

SHEET 16/74

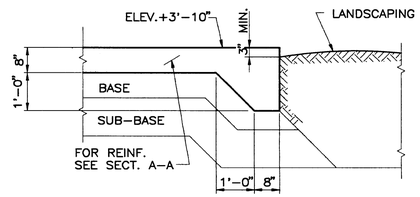
ISSUE C



PLAN



SECTION A – A
1/2" = 1'-0"



SECTION B – B
1/2" = 1'-0"

No.	DATE	BY	REVISION
A	9/4	RWC	FOR BID PURPOSES
A	8/28	RWC	FOR OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1/4" = 1'-0" UNLESS NOTED OTHERWISE	DRAWN BY: PCF	APPROVED BY:
	CHECKED BY:	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

CITY OF SUNNYVALE CALIFORNIA

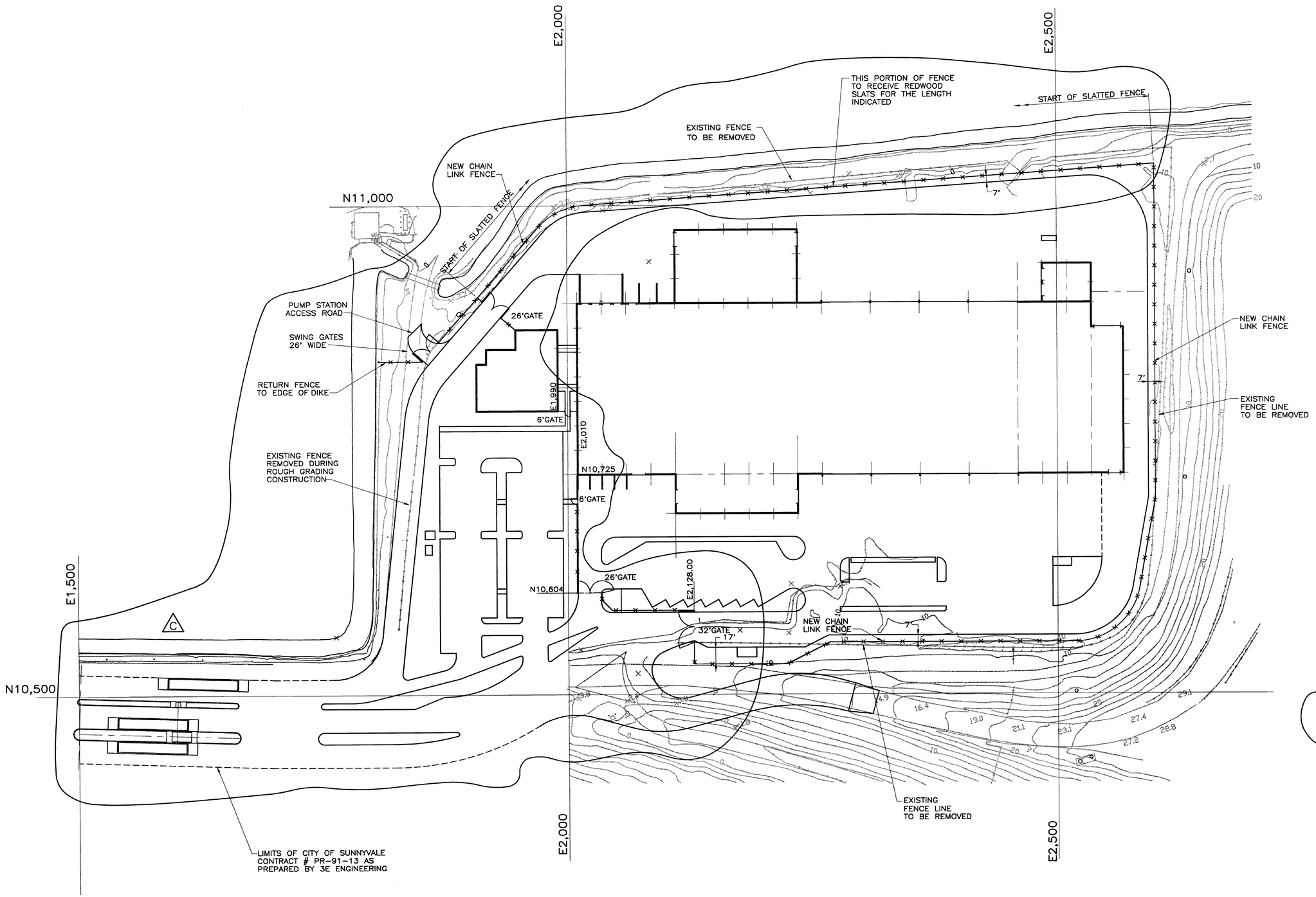
CITY OF SUNNYVALE
CALIFORNIA
PR-92-15

SMaRT STATION
SITE PREPARATION
HHW STORAGE AREA

DRAWING NUMBER: 109

SHEET 17 / 74

ISSUE A



NOTES

1. TOPOGRAPHY SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY. FOR COMPLETE INFORMATION SEE DWGS. 2901901 THRU 2901906 AS PREPARED BY SANDIS AND ASSOCIATES OF MOUNTAIN VIEW, CALIFORNIA.
2. (C) PROVIDE A 8'-0" HIGH CHAIN LINK FENCE COMPLETE WITH GATES WHERE SHOWN & NOTED.
3. FOR GEOMETRY OF PERIMETER LINE SEE DWG 101

No.	DATE	BY	REVISION
C	10/5	RWC	ISSUED FOR ADDENDA #1
B	9/14	RWC	LANDFILL ACCESS REVISED
A	9/4	RWC	FOR BID PURPOSES
A	8/21	RWC	OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1"=50'	DRAWN BY: VCH	APPROVED BY:
	CHECKED BY:	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

CITY OF SUNNYVALE CALIFORNIA

SMaRT STATION
SITE
FENCING

DRAWING NUMBER: 110

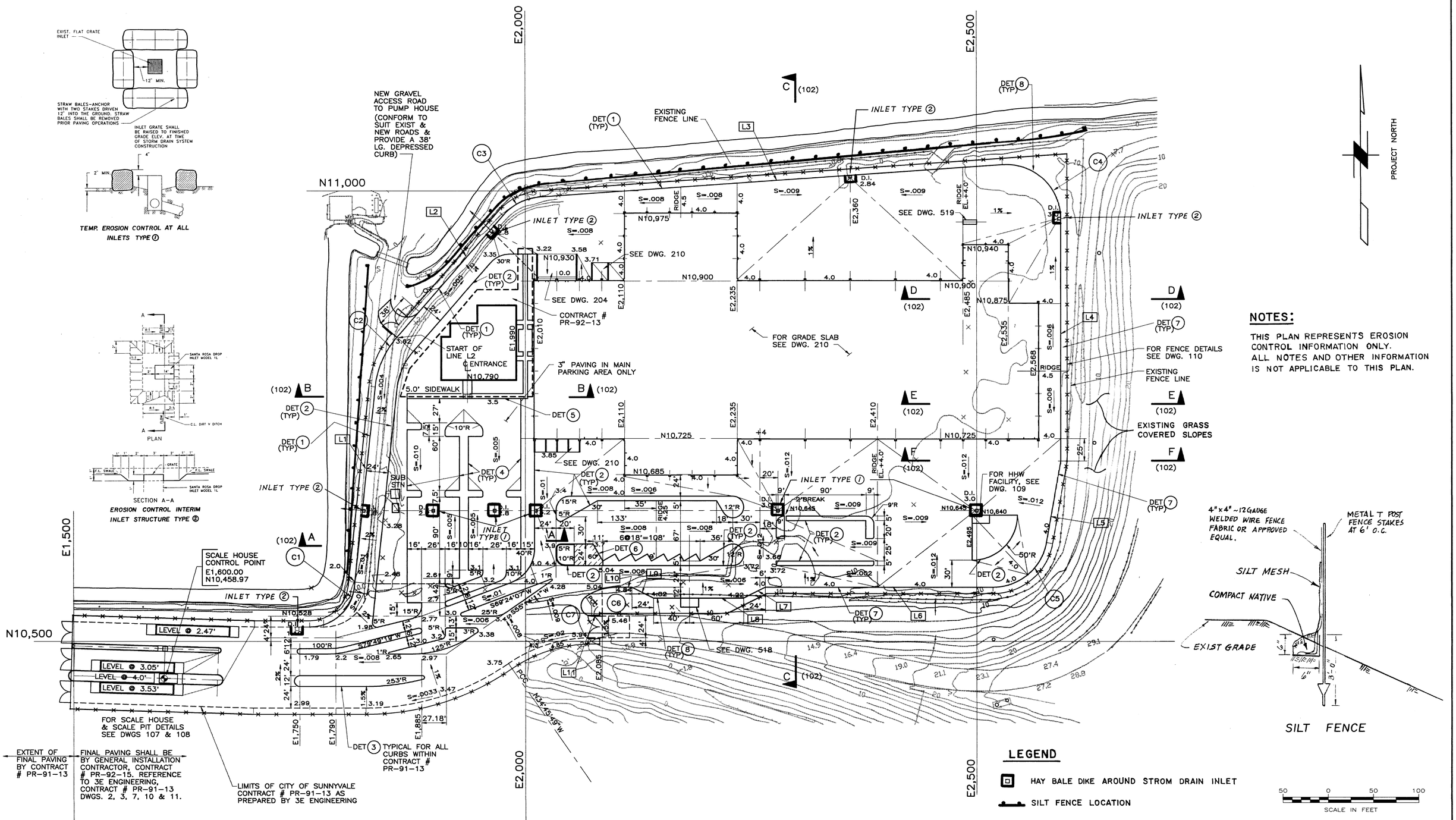
SHEET 18/74

ISSUE C

E1,350
N10,150

TEMP. EROSION CONTROL AT ALL INLETS TYPE ②

EROSION CONTROL INTERIM INLET STRUCTURE TYPE ②



NOTES:

THIS PLAN REPRESENTS EROSION CONTROL INFORMATION ONLY. ALL NOTES AND OTHER INFORMATION IS NOT APPLICABLE TO THIS PLAN.

SILT FENCE

LEGEND

- HAY BALE DIKE AROUND STROM DRAIN INLET
- SILT FENCE LOCATION

SCALE IN FEET: 50 0 50 100

No.	DATE	BY	REVISION
E	9/4	RWC	BID PURPOSES
D	8/21	RWC	ENTRANCE REV'D / OWNER REVIEW
C	7/21	RWC	COMPACTOR ADDITION/OWNER REVIEW
B	7/1	RWC	FOR OWNER REVIEW
A	6/12	VCH	REVISED BUYBACK, PARKING & WOODWASTE AREAS

JOB No. 78783	DESIGNED: VCH	PROJECT ENGINEER: RWC
SCALE: 1"=50'	DRAWN BY: VCH	APPROVED BY:
	CHECKED BY: RWC	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

CITY OF SUNNYVALE CALIFORNIA

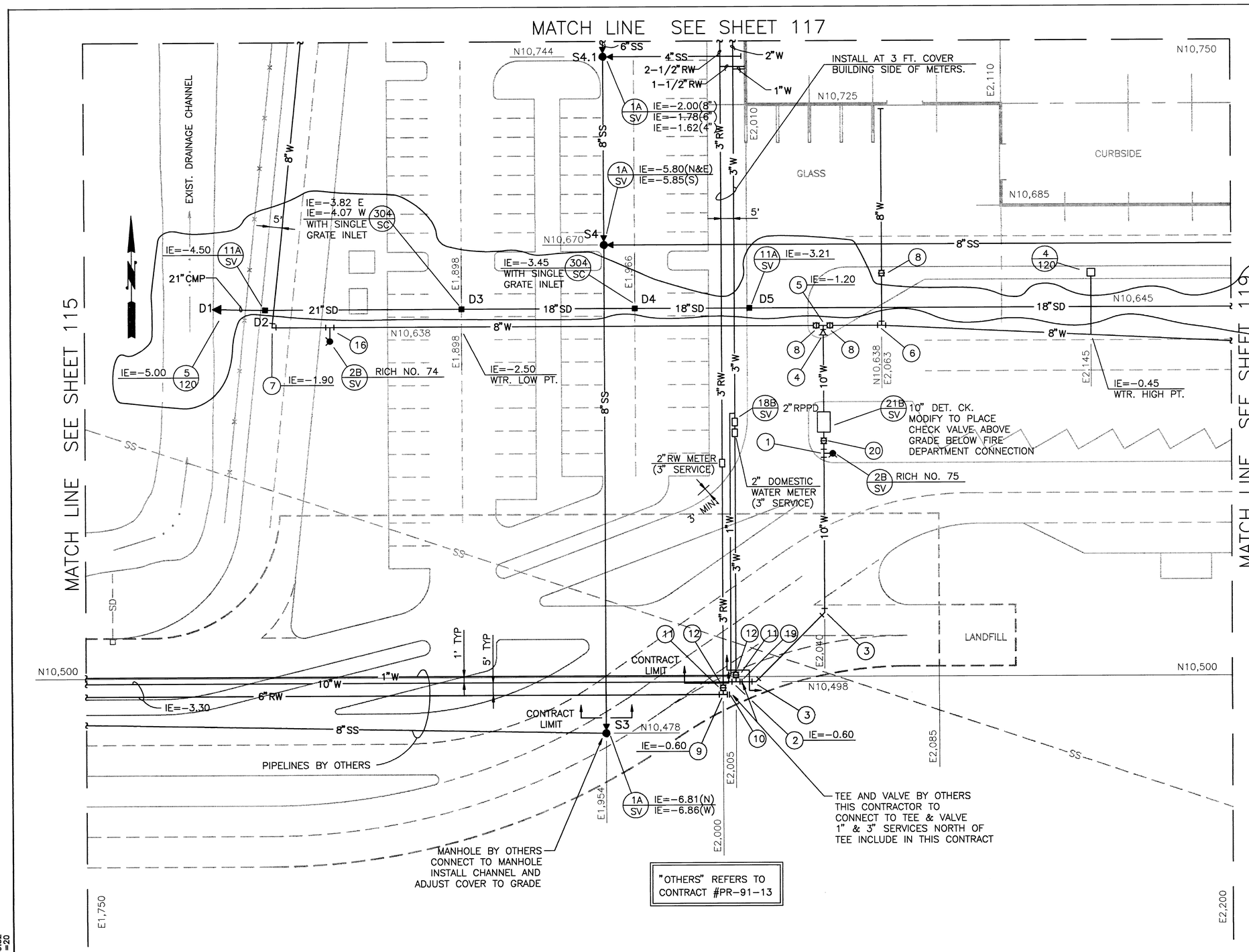
SMaRT STATION
EROSION CONTROL PLAN

DRAWING NUMBER: 111

SHEET 19/74

ISSUE A

E1,350
N10,150

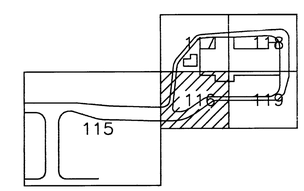


UTILITY GENERAL NOTES

1.– 16.(SEE DRAWING NO. 115)

WATER FITTINGS

1. 10"x10"x6" TEE, MJxMJxFL
2. 10"x10"x4" TEE, MJxMJxFL
3. 10" 45° BEND, MJxMJ
4. 10"x8" REDUCER, MJxFL
5. 8"x8"x8" TEE, ALL FL
6. 8"x8"x8" TEE, ALL MJ
7. 8" 90° BEND, MJxMJ
8. 8" POST INDICATOR VALVE (PIV)
9. 6"x6"x4" TEE, MJxMJxFL
10. 6" PLUG, MJ
11. 4" GATE VALVE, FLxFL
12. 4"x3" REDUCING FLANGE, FLxCP (REMOVE TEMPORARY 3" PLUG INSTALLED BY OTHERS)
16. 8"x8"x6" TEE, MJxMJxFL
19. TEMPORARY 10" PLUG BY OTHERS REMOVED BY THIS CONTRACTOR
20. 10" GATE VALVE ALL MJ



No.	DATE	BY	REVISION
E	10/5	RWC	ISSUED FOR ADDENDA #1
D	9/04	RWC	BID PURPOSES
C	7/24	RWC	FOR OWNER REVIEW
B	7/21	RWC	CLIENT REVIEW
A	7/01	RWC	BID PURPOSES

FILENAME: 116
EDIT DATE: 08/28/92 AT: 09:52
DRAWN BY: AM/HDO SCALE: 1=20

JOB No. 78783.03	DESIGNED: RS	PROJECT ENGINEER: BJC
SCALE: 1" = 20'	DRAWN BY: AM	APPROVED BY:
	CHECKED BY: BJC	DATE: 7-24-92

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND, OREGON
97332

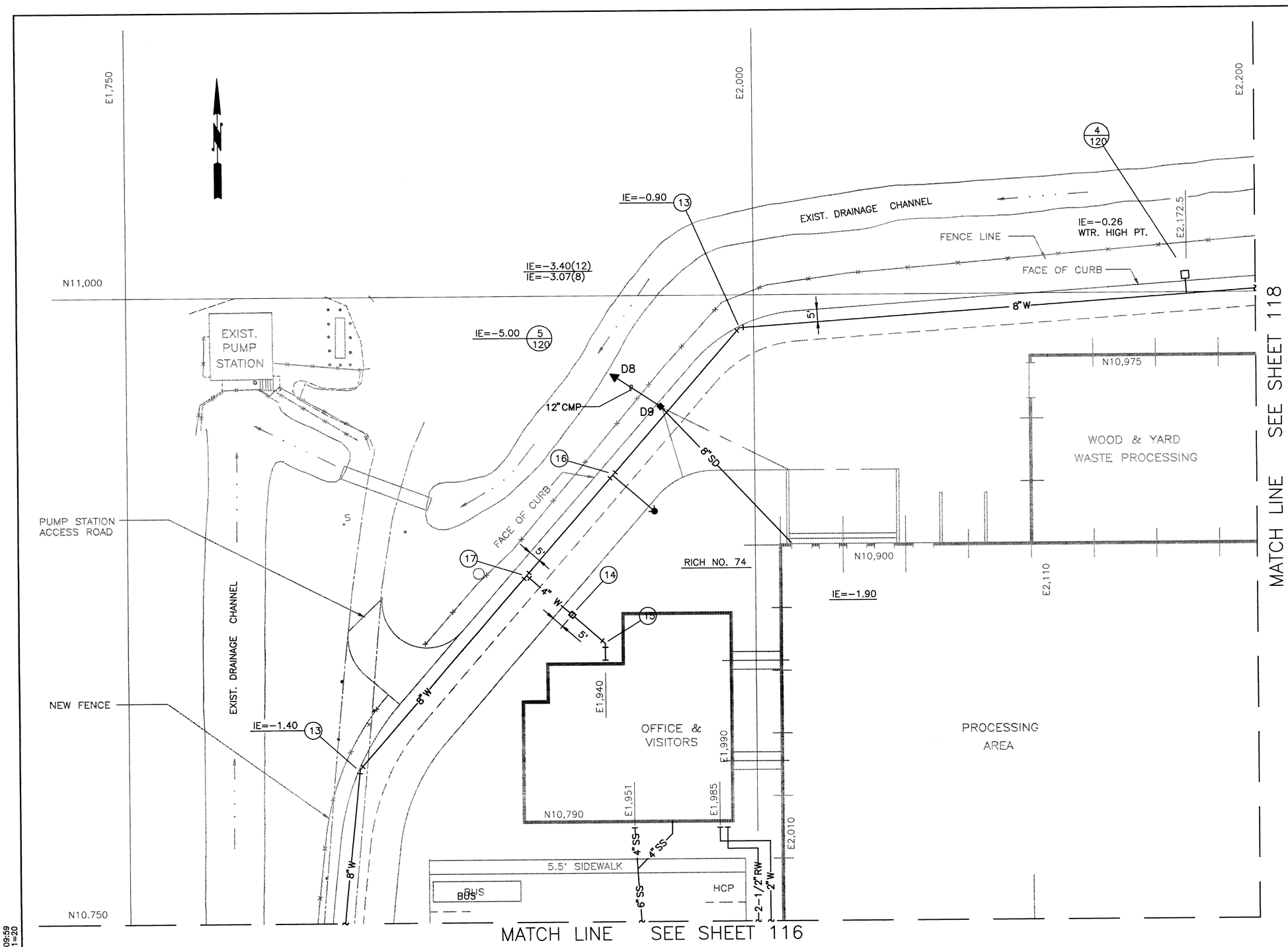
CITY OF SUNNYVALE
CALIFORNIA

SMaRT STATION
SITE UTILITIES
SW QUADRANT

DRAWING NUMBER: 116

SHEET 20/74

ISSUE E

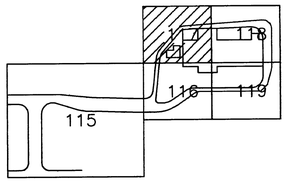


UTILITY GENERAL NOTES

1.– 16.(SEE DRAWING NO. 115)

WATER FITTINGS

- (13) 8" 45° BEND, MJxMJ
- (14) 4" POST INDICATOR VALVE (PIV)
- (15) 4" 45° BEND, MJxMJ
- (16) 8"x8"x6" TEE, MJxMJxFL
- (17) 8"x8"x4" TEE, ALL MJ



No.	DATE	BY	REVISION
C	9/04	RWC	BID PURPOSES
B	7/24	RWC	FOR OWNER REVIEW
A	7/21	RWC	FOR CLIENT REVIEW

FILENAME: 117
EDIT DATE: 08/28/92 AT: 09:59
DRAWN BY: AM/HDO SCALE: 1=20

JOB No. 78783.03	DESIGNED: RS	PROJECT ENGINEER: BJC	
SCALE: 1" = 20'	DRAWN BY: AM	APPROVED BY:	
	CHECKED BY: BJC	DATE: 7-24-92	

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND, OREGON
97332

CITY OF SUNNYVALE CALIFORNIA

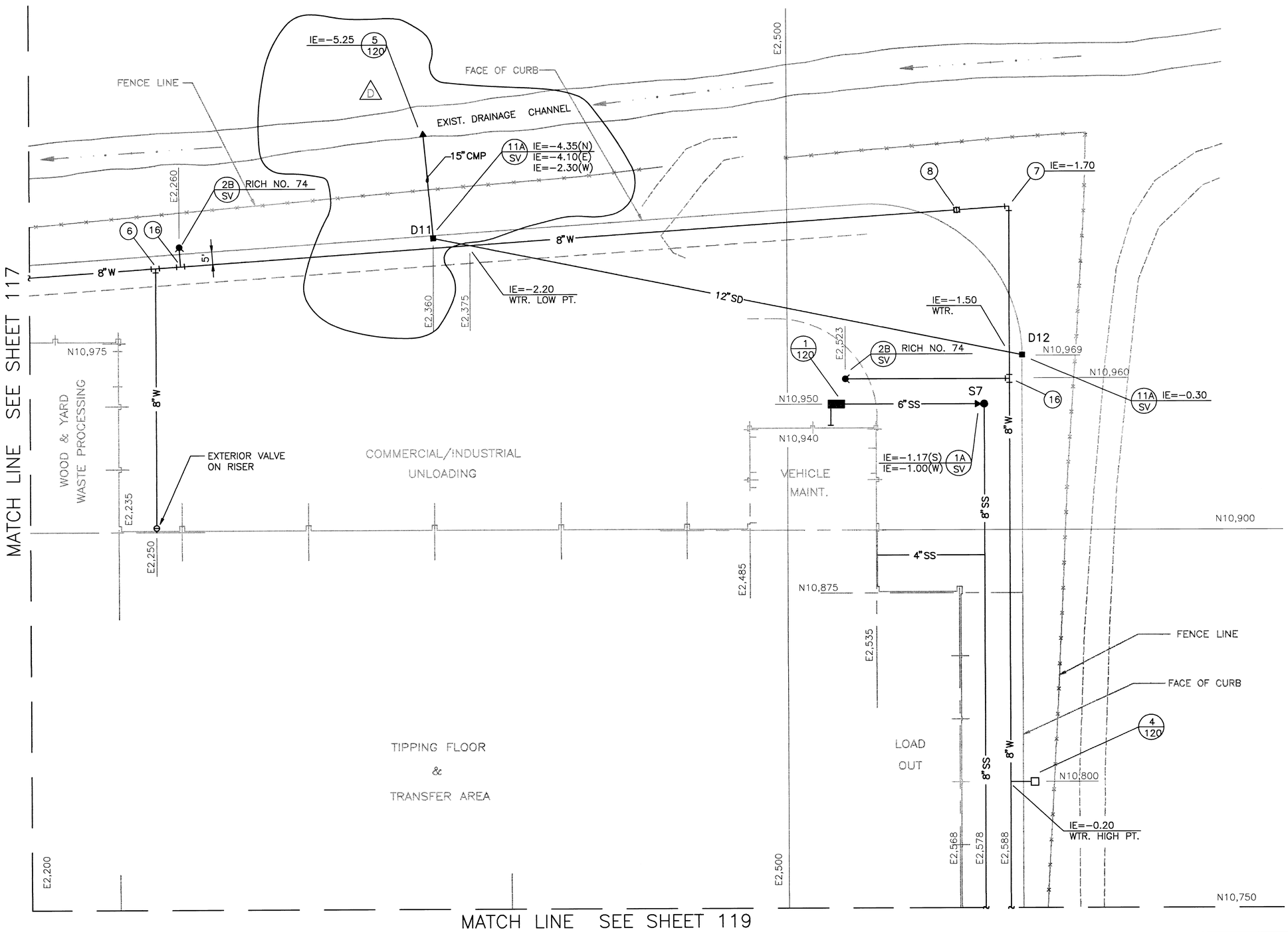
CITY OF SUNNYVALE
CALIFORNIA
PR-92-15

SMaRT STATION
SITE UTILITIES
NW QUADRANT

DRAWING NUMBER: 117

SHEET 21 / 74

ISSUE C

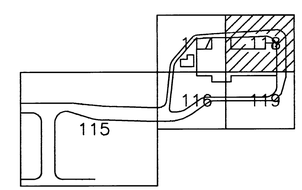


UTILITY GENERAL NOTES

1.– 16.(SEE DRAWING NO. 115)

WATER FITTINGS

- (6) 8"x8"x8" TEE, ALL MJ
- (7) 8" 90° BEND, MJxMJ
- (8) 8" POST INDICATOR VALVE (PIV)
- (16) 8"x8"x6" TEE, MJxMJxFL



No.	DATE	BY	REVISION
D	10/5	RWC	ISSUED FOR ADDENDA #1
C	9/04	RWC	BID PURPOSES
B	7/24	RWC	FOR OWNER REVIEW
A	7/21	RWC	FOR CLIENT REVIEW

FILENAME: 118
EDIT DATE: 08/28/92 AT: 10:02
DRAWN BY: AM/HDO SCALE: 1=20

JOB No. 78783.03	DESIGNED: RS	PROJECT ENGINEER: BJC
SCALE: 1" = 20'	DRAWN BY: AM	APPROVED BY:
	CHECKED BY: BJC	DATE: 7-24-92

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND, OREGON
97332

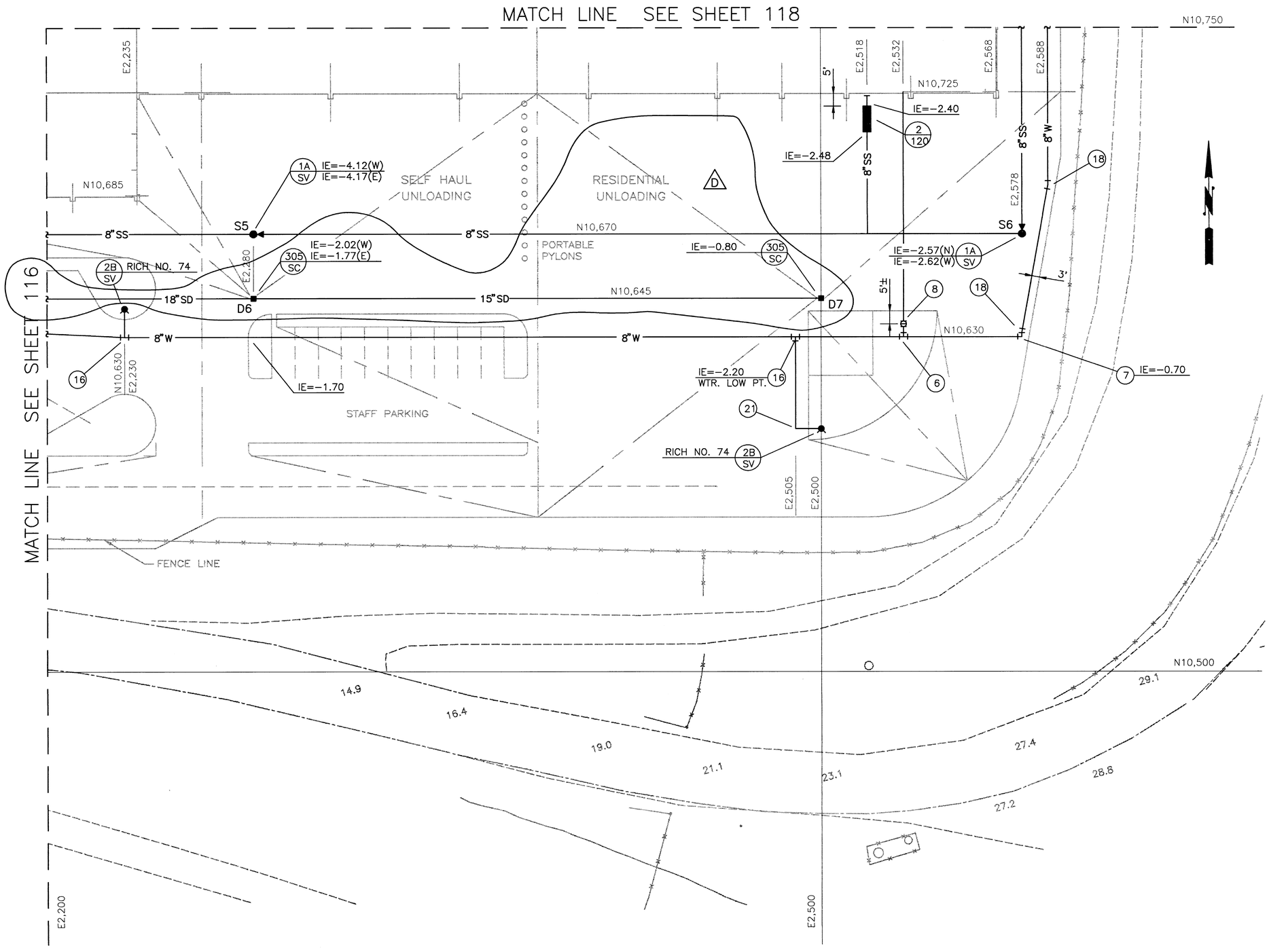
CITY OF SUNNYVALE
CALIFORNIA

SMaRT STATION
SITE UTILITIES
NE QUADRANT

DRAWING NUMBER: 118

SHEET 22/74

ISSUE D

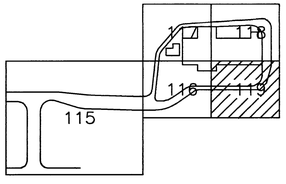


UTILITY GENERAL NOTES

1.– 16.(SEE DRAWING NO. 115)

WATER FITTINGS

6	8"x8"x8" TEE, ALL MJ
7	8" 90° BEND, MJxMJ
8	8" POST INDICATOR VALVE (PIV)
16	8"x8"x6" TEE, MJxMJxFL
18	8" 11–1/4° BEND, MJxMJ
21	6" 90° BEND, MJxMJ



FILENAME: 119
EDIT DATE: 08/28/92 AT: 10:03
DRAWN BY: AM/HDO SCALE: 1=20

No.	DATE	BY	REVISION
D	10/5	RWC	ISSUED FOR ADDENDA #1
C	9/04	RWC	BID PURPOSES
B	7/24	RWC	FOR OWNER REVIEW
A	7/21	RWC	FOR CLIENT REVIEW

JOB No. 78783.03	DESIGNED: RS	PROJECT ENGINEER: BJC
SCALE: 1" = 20'	DRAWN BY: AM	APPROVED BY:
	CHECKED BY: BJC	DATE: 7–24–92

URS CONSULTANTS

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PORTLAND, OREGON
97332

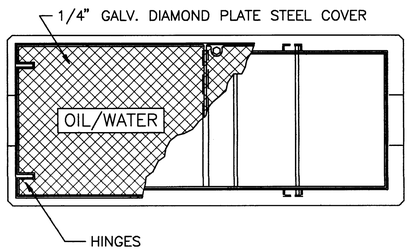
CITY OF SUNNYVALE
CALIFORNIA

SMaRT STATION
SITE UTILITIES
SE QUADRANT

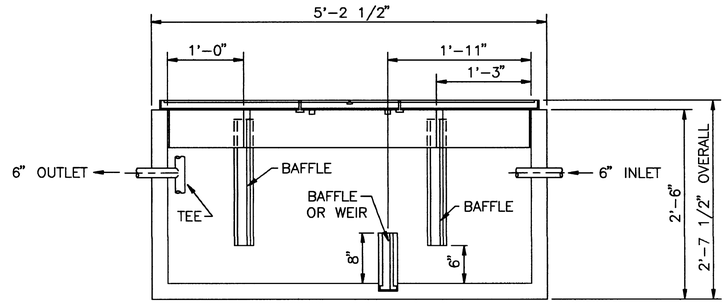
DRAWING NUMBER: 119

SHEET 23/74

ISSUE D



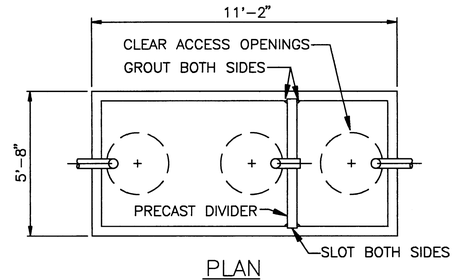
PLAN



LONGITUDINAL SECTION

APPROX. CAPACITY – 100 GAL.
SEE SPECIFICATIONS

1 / 118120 OIL/WATER SEPARATOR
NTS



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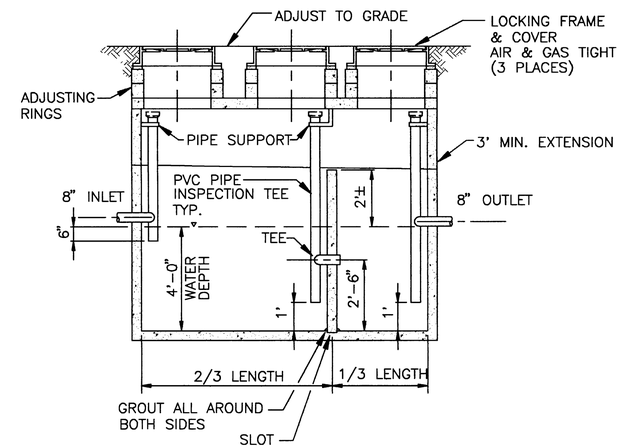
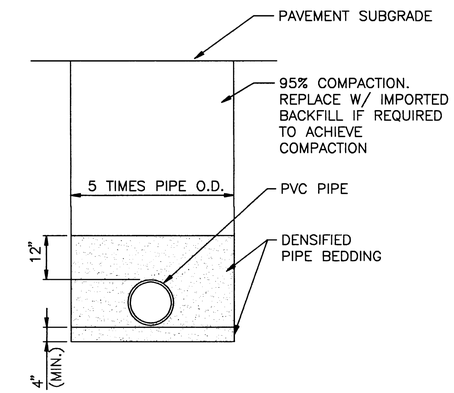


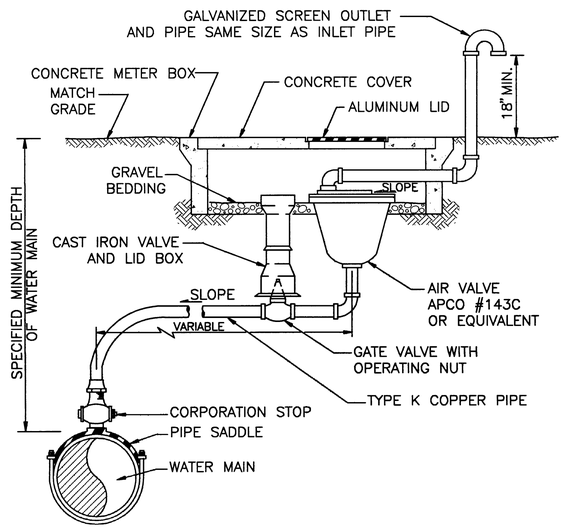
APPROX. CAPACITY – 1500 GAL.
SEE SPECIFICATIONS

LONGITUDINAL SECTION

2 / 119120 GREASE INTERCEPTOR
NTS

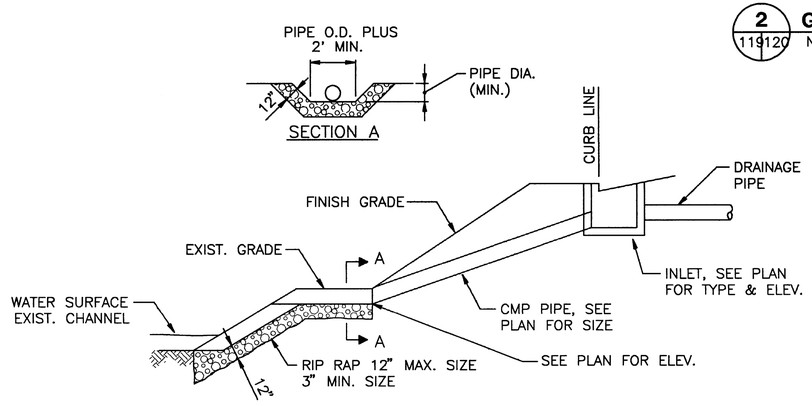


3 / TYP 120 TYPICAL TRENCH SECTION PVC PIPE
NTS

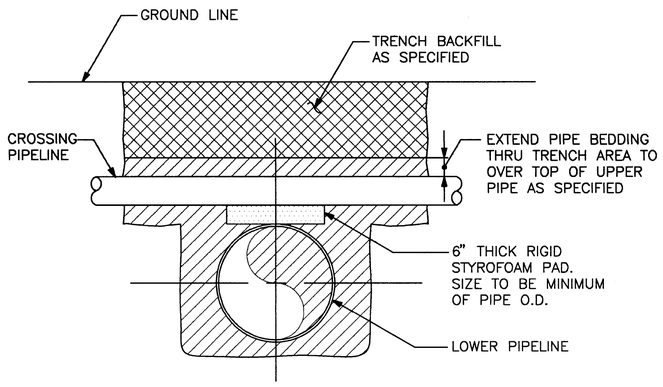


NOTES:
1. PIPING TO VALVE AND VALVE TO BE 1".
2. LOCATE AT HIGH POINT OF MAIN.
3. TAP TOP OF MAIN.

4 / * * AIR RELEASE VALVE ASSEMBLY
N.T.S.



5 / TYP 120 STORM DRAIN OUTFALL
NTS



6 / * * UTILITY CROSSING
NTS

FILENAME: 120
EDIT DATE: 08/27/92 AT: 10:20
DRAWN BY: AM/HDO SCALE: 1=1

No.	DATE	BY	REVISION
A	9/04	RWC	BID PURPOSES
A	7/24	RWC	FOR OWNER REVIEW

JOB No.	DESIGNED:	PROJECT ENGINEER:
78783.03	RS	BJC
SCALE: AS SHOWN	DRAWN BY: AM	APPROVED BY:
	CHECKED BY: BJC	DATE: 7-24-92

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND, OREGON
97332

CITY OF SUNNYVALE CALIFORNIA

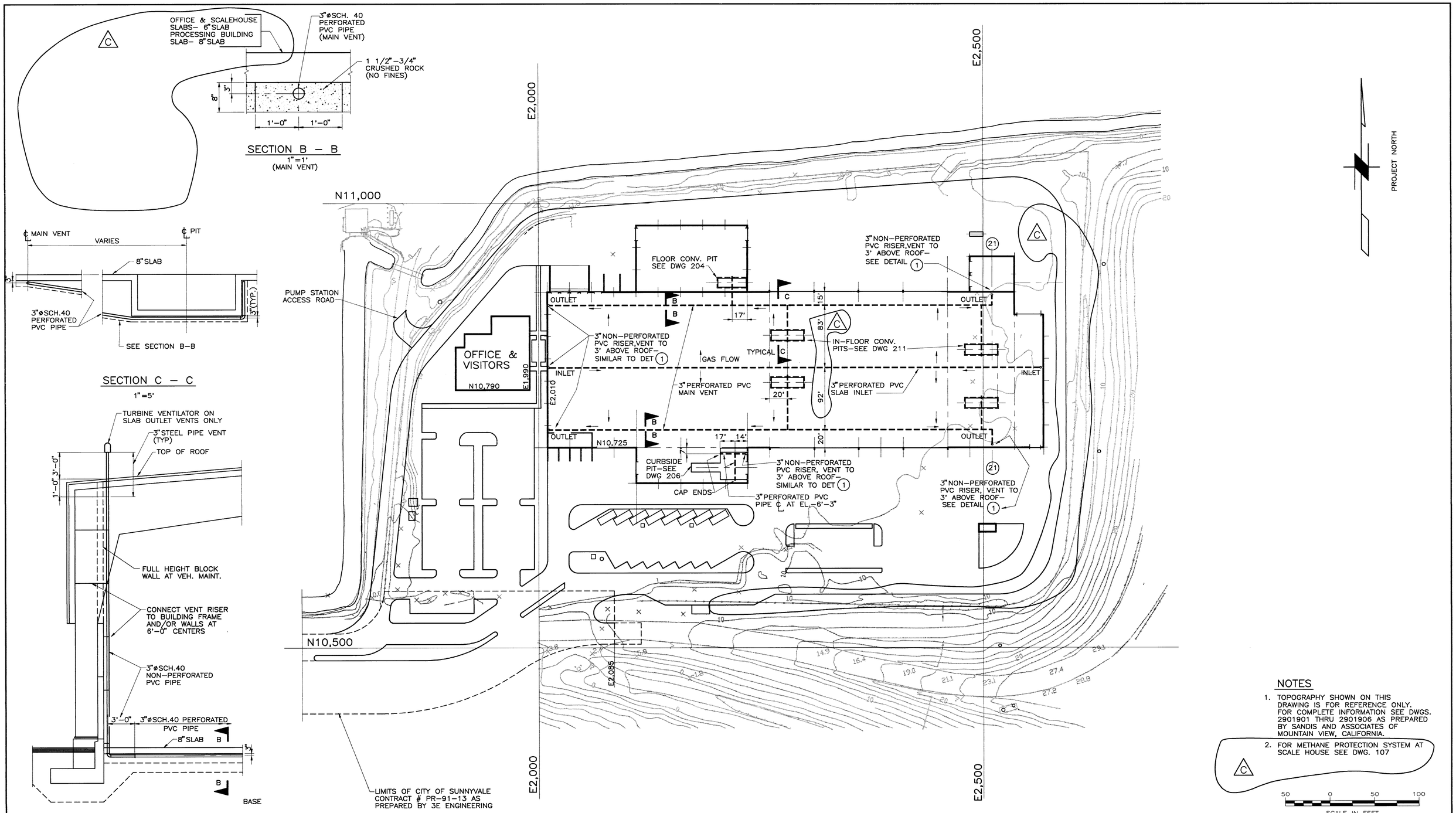
CITY OF SUNNYVALE
CALIFORNIA
PR-92-15

SMaRT STATION
SITE UTILITY DETAILS

DRAWING NUMBER: 120

SHEET 24/74

ISSUE A



No.	DATE	BY	REVISION
C	10/5	RWC	ISSUED FOR ADDENDA #1
B	9/14	RWC	INLET VENTS ADDED– BID PURPOSES
A	9/4	RWC	BID PURPOSES
A	8/21	RWC	OWNER REVIEW

JOB No. 78783	DESIGNED:	PROJECT ENGINEER: RWC
SCALE: 1"=50'	DRAWN BY: VCH	APPROVED BY:
	CHECKED BY:	DATE:

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND OREGON
97232

CITY OF SUNNYVALE
CALIFORNIA

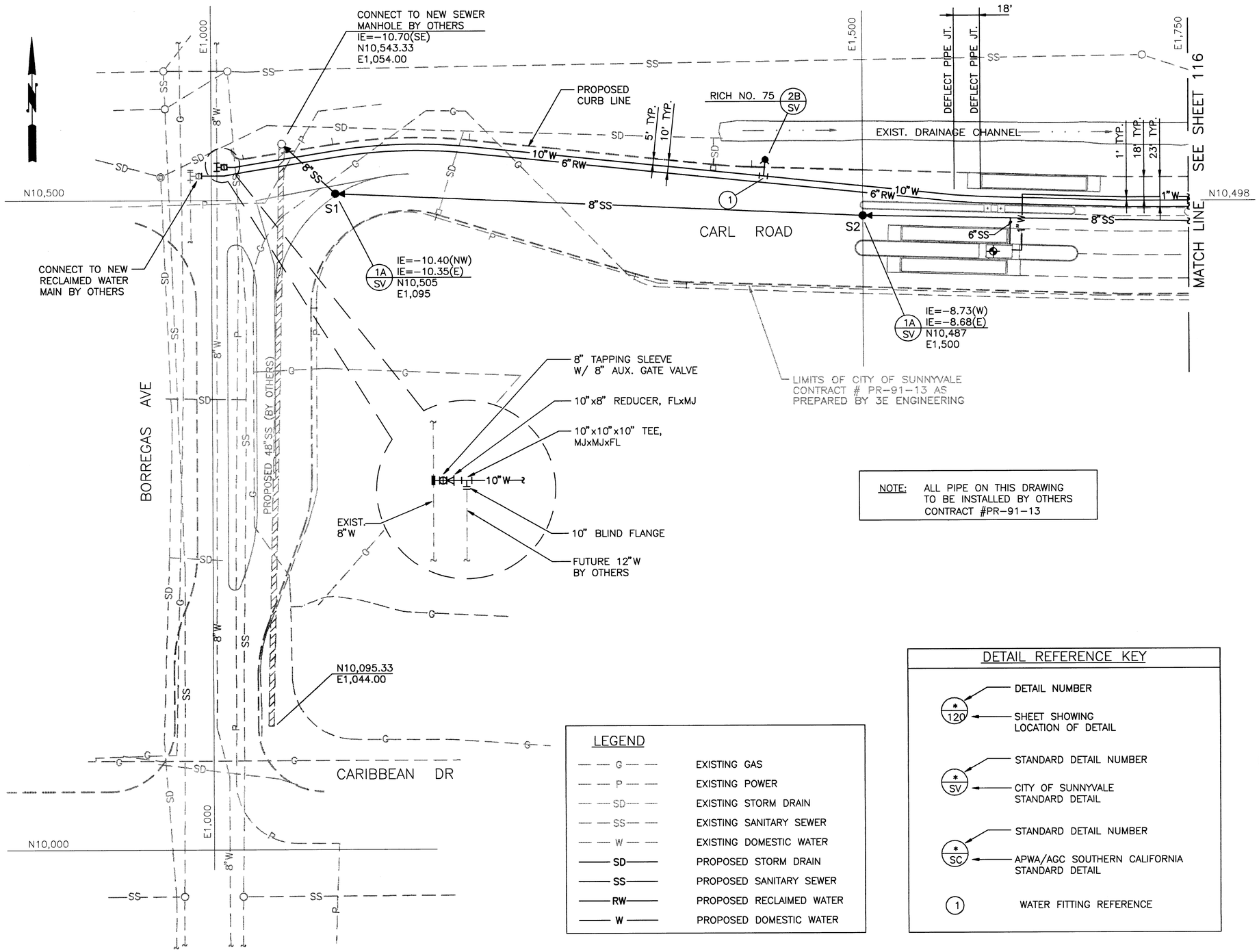
SMaRT STATION
SITE
METHANE PROTECTION SYSTEM

DRAWING NUMBER: 125

SHEET 25 / 74

ISSUE C

E1,350
N10,150



NOTE: ALL PIPE ON THIS DRAWING TO BE INSTALLED BY OTHERS CONTRACT #PR-91-13

LEGEND

— — G — —	EXISTING GAS
— — P — —	EXISTING POWER
— — SD — —	EXISTING STORM DRAIN
— — SS — —	EXISTING SANITARY SEWER
— — W — —	EXISTING DOMESTIC WATER
—— SD ——	PROPOSED STORM DRAIN
—— SS ——	PROPOSED SANITARY SEWER
—— RW ——	PROPOSED RECLAIMED WATER
—— W ——	PROPOSED DOMESTIC WATER

DETAIL REFERENCE KEY

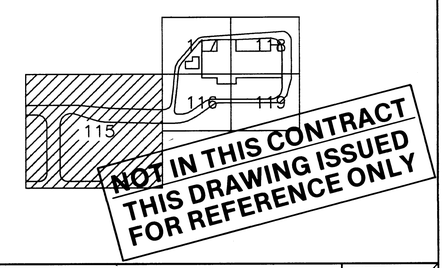
* / 120	DETAIL NUMBER; SHEET SHOWING LOCATION OF DETAIL
* / SV	STANDARD DETAIL NUMBER; CITY OF SUNNYVALE STANDARD DETAIL
* / SC	STANDARD DETAIL NUMBER; APWA/AGC SOUTHERN CALIFORNIA STANDARD DETAIL
1	WATER FITTING REFERENCE

UTILITY GENERAL NOTES

1. CAUTION -- EXTREME HAZARD -- OVERHEAD ELECTRICAL SERVICE LINES ARE GENERALLY NOT SHOWN ON THE DRAWINGS. ELECTRICAL LINES SHOWN ON THE DRAWINGS ARE LOCATED BY POINT-TO-POINT, POWER POLE TO POWER POLE CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD ELECTRICAL POWER IN ALL AREAS AND SHALL FOLLOW PROCEDURES DURING CONSTRUCTION AS REQUIRED BY LAW AND REGULATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH UTILITY OWNERS AND DETERMINE THE EXTENT OF HAZARD AND REMEDIAL MEASURES AND SHALL TAKE WHATEVER PRECAUTIONS MAY BE REQUIRED.
2. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO ANY WORK IN THEIR VICINITY.
3. SEE ELECTRICAL DRAWINGS FOR LOCATION OF ELECTRICAL, TELEPHONE AND GAS LINES.
4. ALL DOMESTIC WATER AND RECLAIMED WATER PIPE OVER 4 INCHES IN DIAMETER BETWEEN EXISTING MAIN AND METER SHALL BE CLASS 52 DUCTILE IRON PIPE.
5. PIPE FOR FIRE LOOP ON SITE MAY BE CLASS 52 DUCTILE IRON PIPE OR PVC PIPE MEETING REQUIREMENTS OF AWWA C900. PIPE WITHIN 5 FEET OF BUILDING MUST BE DUCTILE IRON.
6. SET FIRE HYDRANTS 3 FT. BACK OF FACE OF CURB. PROVIDE GATE VALVE ON EACH HYDRANT BRANCH IN ACCORDANCE WITH CITY OF SUNNYVALE STANDARD DETAIL #2B.
7. STORM DRAIN PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE WITH RUBBER GASKET JOINTS UNLESS NOTED.
8. SANITARY SEWER AND PROCESS DRAIN PIPE SHALL BE VITRIFIED CLAY.
9. ALL WATERLINES SHALL BE CONSTRUCTED WITH UNIFORM GRADE BETWEEN ELEVATIONS SHOWN ON DRAWING. PIPE ON CARL ROAD SHALL HAVE 4 FT. MINIMUM COVER.
10. SEE "LANDFILL SITE IMPROVEMENTS" PLANS, DATED 1-15-92, BY 3E ENGINEERING, FREMONT, CA., FOR ROADWAY AND DRAINAGE IMPROVEMENT OF BORREGAS AVE. AND CARL ROAD.
11. UNDERGROUND FIRE MAINS SHALL COMPLY WITH NFPA #24.
12. ALL WATER PIPE FITTINGS SHALL BE BLOCKED IN ACCORDANCE WITH CITY OF SUNNYVALE STANDARD DETAIL #23B.
13. ALL VALVES SHALL BE AWWA C500.
14. ON-SITE H2O FLOW TEST MAY BE REQUIRED BY SUNNYVALE FIRE PREVENTION ENGINEERING TO VERIFY H2O FLOW DATA.
15. UNDERGROUND WATER SYSTEM SHALL BE HYDROSTATICALLY TESTED, FLUSHED, AND PLACED IN SERVICE PRIOR TO COMBUSTIBLES BEING BROUGHT ON-SITE.
16. COORDINATE GRADE AND LOCATION OF CONNECTION TO PIPE AT BUILDING WALLS.

WATER FITTINGS

(1) 10"x10"x6" TEE, MJxMJxFL



No.	DATE	BY	REVISION
C	9/04	RWC	BID PURPOSES
B	7/24	RWC	FOR OWNER REVIEW

JOB No. 78783.03	DESIGNED: RS	PROJECT ENGINEER: BJC
SCALE: 1" = 40'	DRAWN BY: AM	APPROVED BY:
	CHECKED BY: BJC	DATE: 7-24-92

URS CONSULTANTS

WESTERN REGION
500 N.E. MULTNOMAH
PORTLAND, OREGON
97332

CITY OF SUNNYVALE
CALIFORNIA
PR-92-15

SMaRT STATION
ACCESS ROAD UTILITIES

DRAWING NUMBER: 115

SHEET 26/74

ISSUE C

FILENAME: 115
EDIT DATE: 08/26/92 AT: 13:53
DRAWN BY: AM/HDO SCALE: 1=40