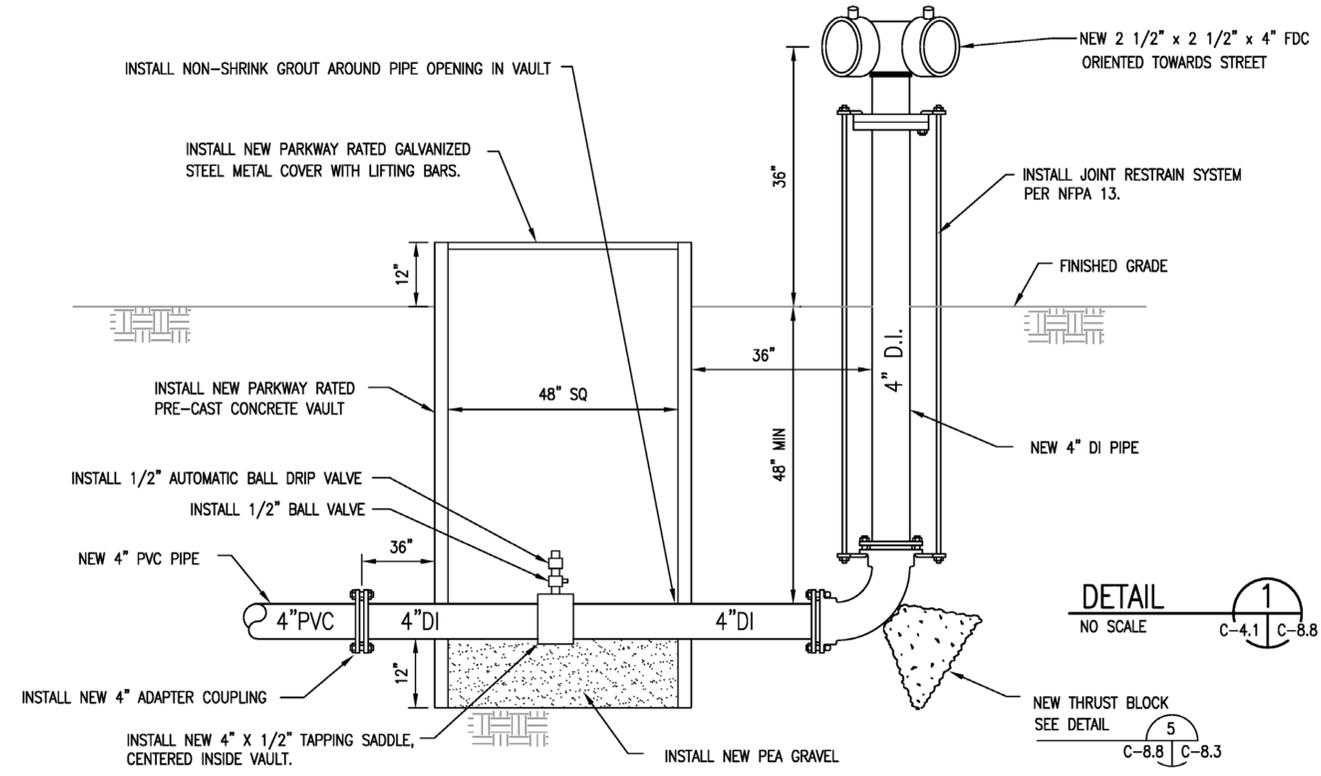
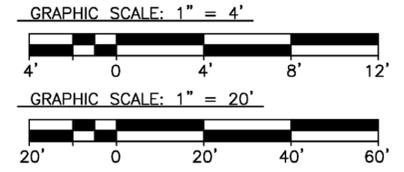


STORM WATER PIPE PROFILE – PIPE A

HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 4'



DETAIL
 NO SCALE
 1
 C-4.1 C-8.8
 5
 C-8.8 C-8.3

PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 NO. 60229
 EXP. 6-30-2012
 JBY# 0622-12

JB YOUNG & ASSOCIATES, LTD
 11440 Riverside Drive, Suite M
 Lakeside, California 92040
 (619) 448-9424
 (619) 448-4690 FAX

DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 DRYDEN FLIGHT RESEARCH CENTER
 EDWARDS, CA

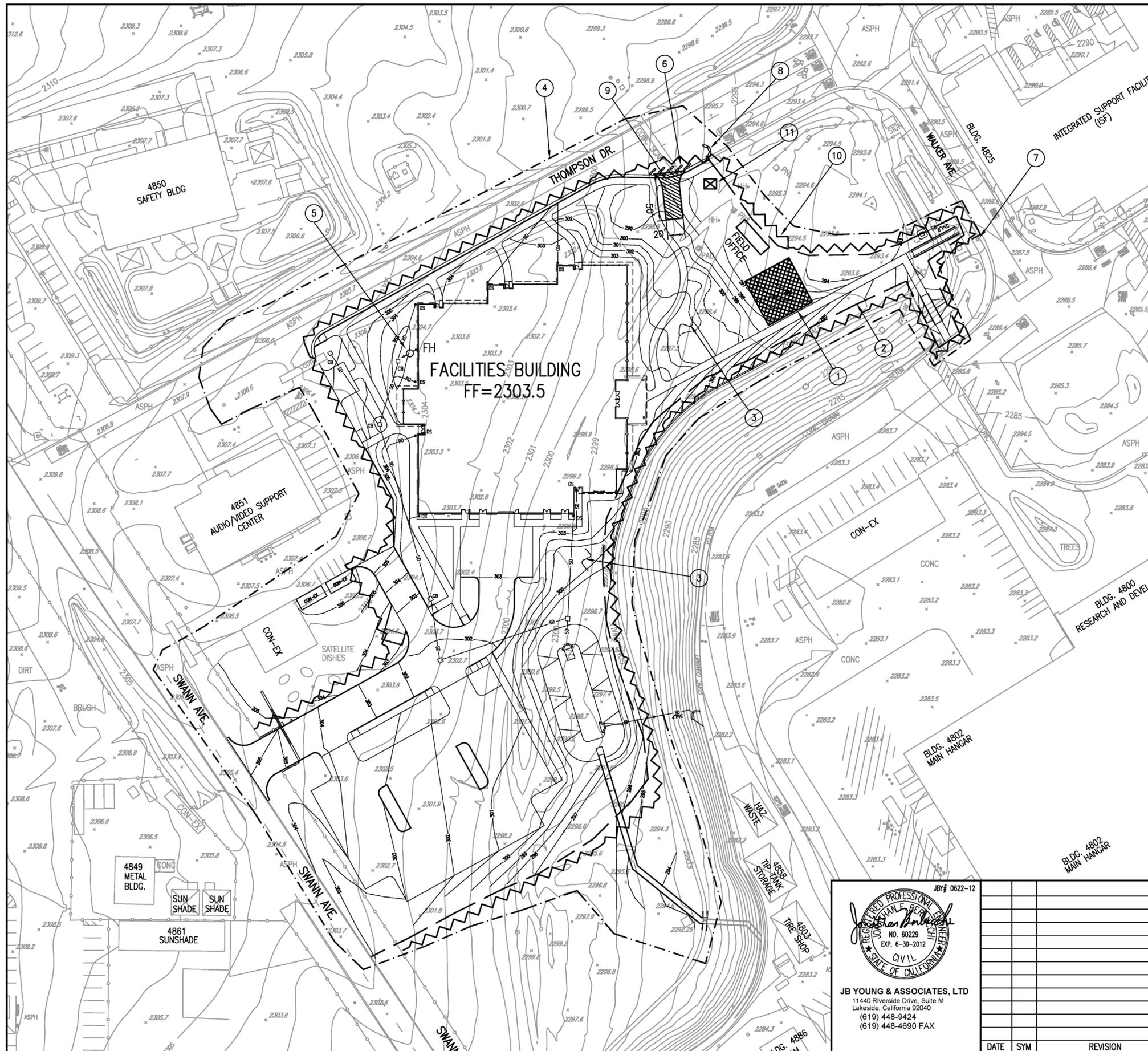
APPROVALS

NAME	DATE
DAN CROWLEY	8-18-11
DAN CROWLEY	8-18-11
GEMMA FLORES	8-18-11
JOHN ZELLNER	8-18-11
DAN MULLEN	8-18-11
KEN NORLIN	8-18-11

DRAWING TITLE
 STORM WATER PIPE PROFILE

PROJECT TITLE
 8-18-11
 FACILITIES SUPPORT CENTER
 100% FINAL DESIGN SUBMITTAL

DATE STRTD: 11/04/10 DATE PRNTD: 05/23/11
 DRAWN BY: JBY TRADE: EDM-1703
 SCALE: AS NOTED SHEET No. 23 of 195
 FILE NAME: C-8.8

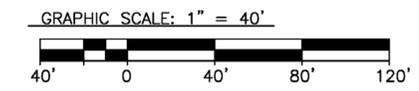


KEYNOTES

- 1) MATERIAL, VEHICLE & EQUIPMENT STORAGE AREA. CONTRACTOR TO CONTAIN ALL MATERIALS WITHIN CONSTRUCTION AREA OR STOCK PILE W/ GRAVEL BAGS ALL THE WAY AROUND AND COVER IT W/ PLASTIC.
- 2) INSTALL 8"Ø FIBER ROLL ALONG TEMPORARY FENCING.
- 3) INSTALL GRAVEL GROUND COVER AND LANDSCAPING PER LANDSCAPING PLANS.
- 4) LIMITS OF WORK.
- 5) EXISTING FIRE HYDRANT TO BE USED FOR CONSTRUCTION WATER.
- 6) INSTALL GRAVEL BAGS AT A 30° ANGLE TO THE CURB LINE.
- 7) INSTALL TEMPORARY FILTER FABRIC OVER CB GRATE (TYP OF ALL CB'S). DURING CONSTRUCTION PERIOD.
- 8) INSTALL GRAVEL BAG CHECK DAM.
- 9) INSTALL 20' WIDE X 50' LONG GRAVEL CONSTRUCTION ENTRANCE PER CALTRANS.
- 10) INSTALL 6' TALL TEMPORARY CONSTRUCTION FENCING.
- 11) 8'x10' CONCRETE WASHOUT AREA W/SIGN.

LEGEND

- TEMPORARY 6' TALL CHAIN LINK FENCE
- GRAVEL BAG BERM SC-6
- VEHICLE EQUIPMENT & MATERIAL STORAGE AREA WM-1, 5, 6, 9
- GRAVEL CONSTRUCTION ENTRANCE (TC-1)
- SILT FENCE
- LIMITS OF WORK
- FIBER ROLL



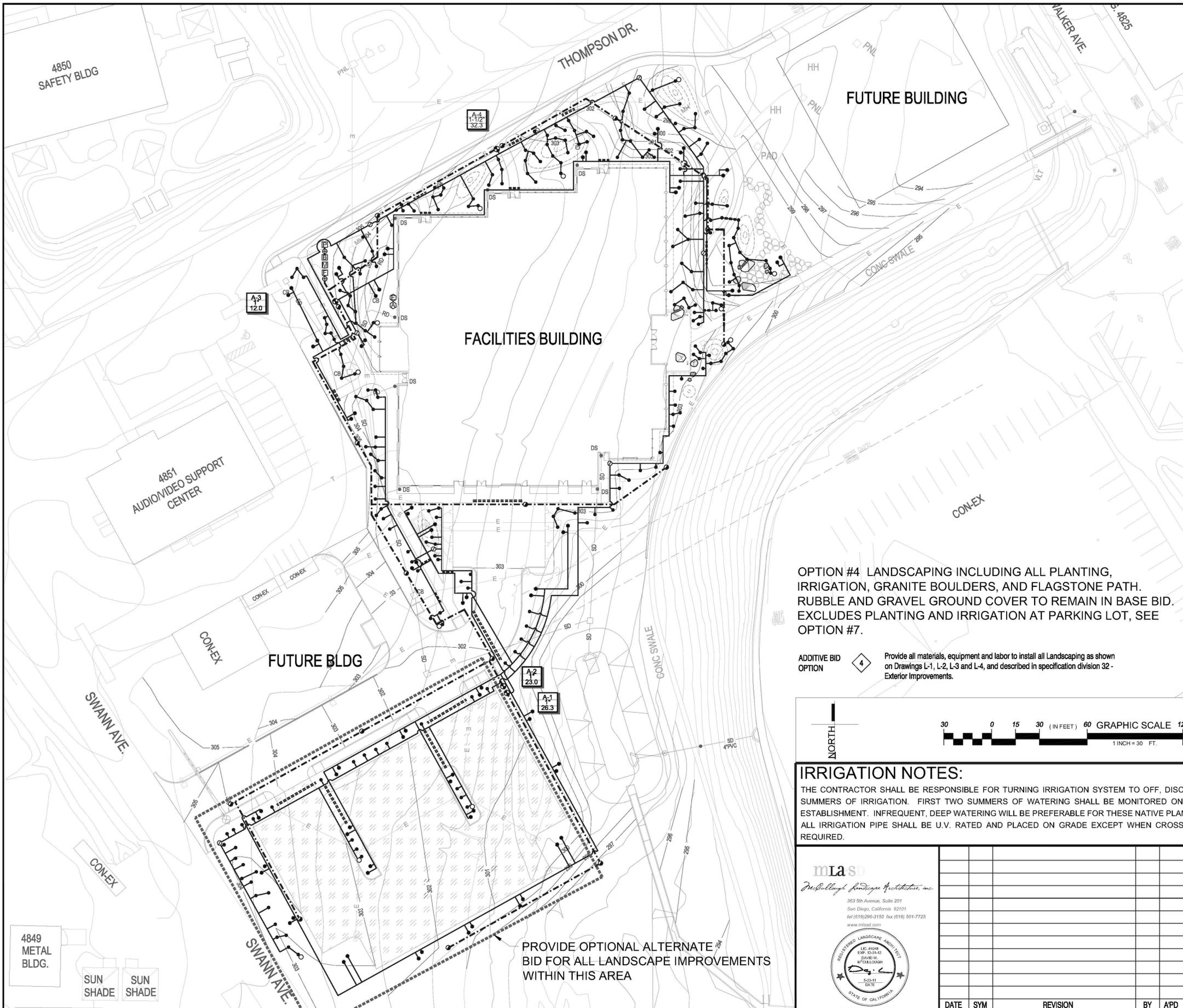
EROSION CONTROL PLAN
SCALE 1" = 40'

JBY# 0622-12

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DATE	SYM	REVISION	BY	A'PD

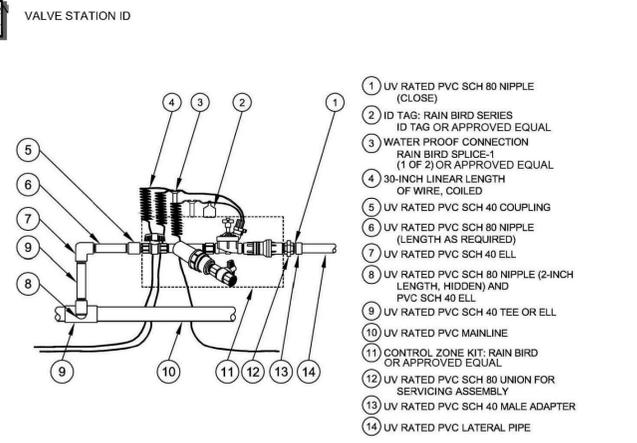
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA	APPROVALS		DATE	
	Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY <i>Dan Crowley</i>	8-18-11	Project Requestor/Customer DAN CROWLEY <i>Dan Crowley</i>	8-18-11
DRAWING TITLE EROSION CONTROL PLAN PROJECT TITLE 8-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL	Facilities Project Manager GEANNA FLORES <i>Geanna Flores</i>	8-18-11	Chief, Office of Protective Services JOHN ZELLNER <i>John Zellner</i>	8-18-11
	Chief - Safety, Health and Environmental Office DAN MULLEN <i>Dan Mullen</i>	8-18-11	DFRIC Chief Information Officer KEN NORLIN <i>Ken Norlin</i>	8-18-11
	DATE SRTD: 11/04/10 DRAWN BY: JBY SCALE: AS NOTED FILE NAME: C-9.1	DATE PRINTD: 05/23/11 TRADE: EDM-1703 SHEET No. 27 of 195		



IRRIGATION MATERIAL LEGEND:

SYMBOL	MANUF. & MODEL	DESCRIPTION	DETAIL
•	JARDINIER SURFACE FLOW (OR APPROVED EQUAL) RAIN BIRD RWS-B-1401 (OR APPROVED EQUAL)	EMITTER ASSEMBLY DEEP WATERING TREE BUBBLERS	'D', SHT. L-2 'G', SHT. L-2
⊙	RAIN BIRD XCZ-100-PRF-BF (OR APPROVED EQUAL)	ELECTRIC SOLENOID VALVE, SIZE AS INDICATED WITHIN A PLASTIC VALVE BOX AS PER DETAIL	'A', SHT. L-1
○	NETAFIM TL050MFV-1 (OR APPROVED EQUAL)	AUTOMATIC FLUSH VALVE IN A 6" ROUND PLASTIC BOX	'C', SHT. L-2
○	NETAFIM AIR (OR APPROVED EQUAL)	1/2" AIR RELIEF VALVE IN A 6" ROUND PLASTIC BOX	'F', SHT. L-2
⊕	WEATHERMATIC SL1600 (OR APPROVED EQUAL)	6 STATION CONTROLLER MOUNT TO EXTERIOR WALL OF BLDG.	'A', SHT. L-2
⊕	WEATHERMATIC SLW20 (OR APPROVED EQUAL)	WEATHER STATION MOUNT TO EXTERIOR WALL OF BLDG.	'A', SHT. L-2
⊙	RAIN BIRD 33DLRC (OR APPROVED EQUAL)	3/4" QUICK COUPLING VALVE W/ LOCKING VINYL COVER IN A 6" ROUND PLASTIC BOX	'K', SHT. L-2
⊕	NIBCO T-113 (OR APPROVED EQUAL)	BRONZE GATE VALVE W/ WHEEL HANDLE - LINE SIZE INSTALLED IN A ROUND PLASTIC VALVE BOX	'E', SHT. L-2
⊕	FEBCO 825Y (OR APPROVED EQUAL) P.O.C.	BACKFLOW PREVENTER-LINE SIZE SERVICE FROM A RECYCLED WATER SERVICE LINE, BY OTHERS	'H', SHT. L-2 N/A
⊕	CALSENSE FM-B (OR APPROVED EQUAL)	FLOW SENSOR, LINE SIZE	'J', SHT. L-2
⊕	RAIN BIRD GB (OR APPROVED EQUAL)	MASTER VALVE, LINE SIZE	'I', SHT. L-2
---	MAIN LINE PIPING SCH. 40 PVC	SIZE AS NOTED PLACED ON GRADE; PROVIDE PVC SCH 40 PIPE SLEEVE (TWICE THE DIAMETER OF THE MAINLINE) UNDER ALL PAVING W/ MIN. OF 24" COVER	'B', SHT. L-2
---	LATERAL LINE PIPING 1/2" CLASS 315 PVC UNLESS NOTED OTHERWISE ON PLANS	SIZE AS NOTED PLACED ON GRADE; PROVIDE PVC SCH 40 PIPE LATERAL UNDER ALL PAVING W/ MIN. 18" COVER	'B', SHT. L-2
----	PVC SLEEVE PER SCH. BELOW	PROVIDE PVC SCH. 40 SLEEVE TWICE THE DIAMETER OF PIPE CARRIED	'B', SHT. L-2

STATIC
SIZE
GPM



REMOTE CONTROL VALVE
N.T.S.

OPTION #4 LANDSCAPING INCLUDING ALL PLANTING, IRRIGATION, GRANITE BOULDERS, AND FLAGSTONE PATH. RUBBLE AND GRAVEL GROUND COVER TO REMAIN IN BASE BID. EXCLUDES PLANTING AND IRRIGATION AT PARKING LOT, SEE OPTION #7.

ADDITIVE BID OPTION 4 Provide all materials, equipment and labor to install all Landscaping as shown on Drawings L-1, L-2, L-3 and L-4, and described in specification 32 - Exterior Improvements.



IRRIGATION NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING IRRIGATION SYSTEM TO OFF, DISCONNECTING, AND REMOVING THE SYSTEM FROM THE POINT OF CONNECTION AFTER TWO SUMMERS OF IRRIGATION. FIRST TWO SUMMERS OF WATERING SHALL BE MONITORED ON A REGULAR BASIS. PLANT MATERIAL SHALL RECEIVE ONLY ENOUGH WATER FOR INITIAL ESTABLISHMENT. INFREQUENT, DEEP WATERING WILL BE PREFERABLE FOR THESE NATIVE PLANT SPECIES. ALL IRRIGATION PIPE SHALL BE U.V. RATED AND PLACED ON GRADE EXCEPT WHEN CROSSING SIDEWALKS, WHERE PIPE SHALL BE PLACED UNDER SIDEWALKS WITHIN A SLEEVE AS REQUIRED.

PROVIDE OPTIONAL ALTERNATE BID FOR ALL LANDSCAPE IMPROVEMENTS WITHIN THIS AREA

mlas
McBullough Landscape Architecture, Inc.
303 2nd Avenue, Suite 201
San Diego, California 92101
Tel: (619) 296-3190 Fax: (619) 501-7725
www.mlasd.com

DATE	SYM	REVISION	BY	APD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
EDWARDS, CA

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

PROJECT TITLE
8-18-11
FACILITIES SUPPORT CENTER
100% FINAL DESIGN

APPROVALS		DATE
Chief, Facilities Engineering Assistant Office DAN CROWLEY	<i>Dan Crowley</i>	8-18-11
Project Requestor / Customer DAN CROWLEY	<i>Dan Crowley</i>	8-18-11
Facilities Project Manager GEMMA FLORES	<i>Gemma Flores</i>	8-18-11
Chief, Office of Protective Services JOHN ZELLMER	<i>John Zellmer</i>	8-18-11
Chief, Safety, Health, and Environmental Office DAN MULLEN	<i>Dan Mullen</i>	8-18-11
DFRC Chief Information Officer KEN NORLIN	<i>Ken Norlin</i>	8-18-11

DATE START	11-09-09	DATE PRINT	9-29-11
DRAWN BY	MLASD	PROJECT NO.	EDM-1703
SCALE	AS NOTED	TRACER SHEET NO.	L-1
FILE NAME	SHEET No. 30 of 105		

4849 METAL BLDG.
SUN SHADE
SUN SHADE