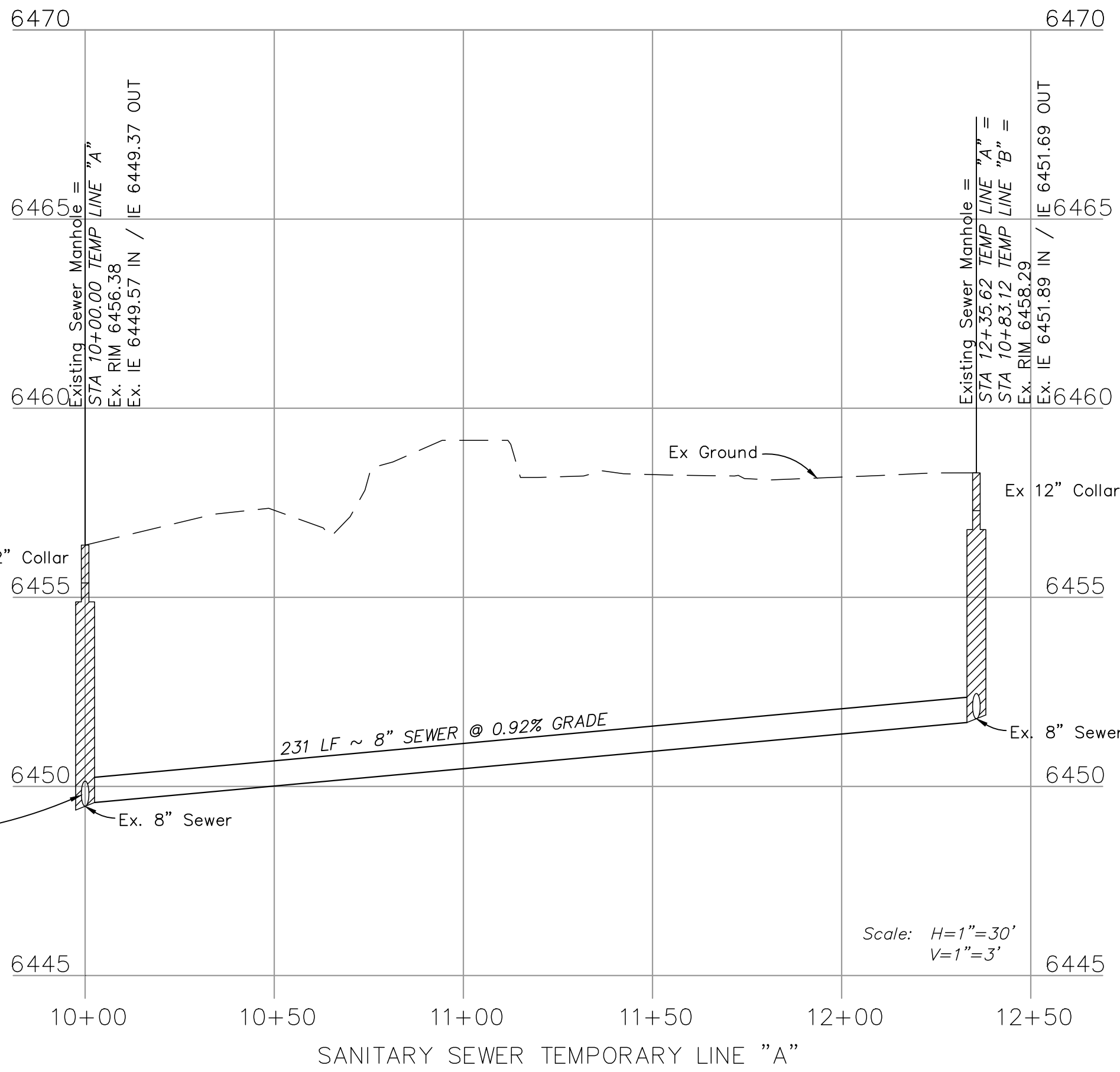
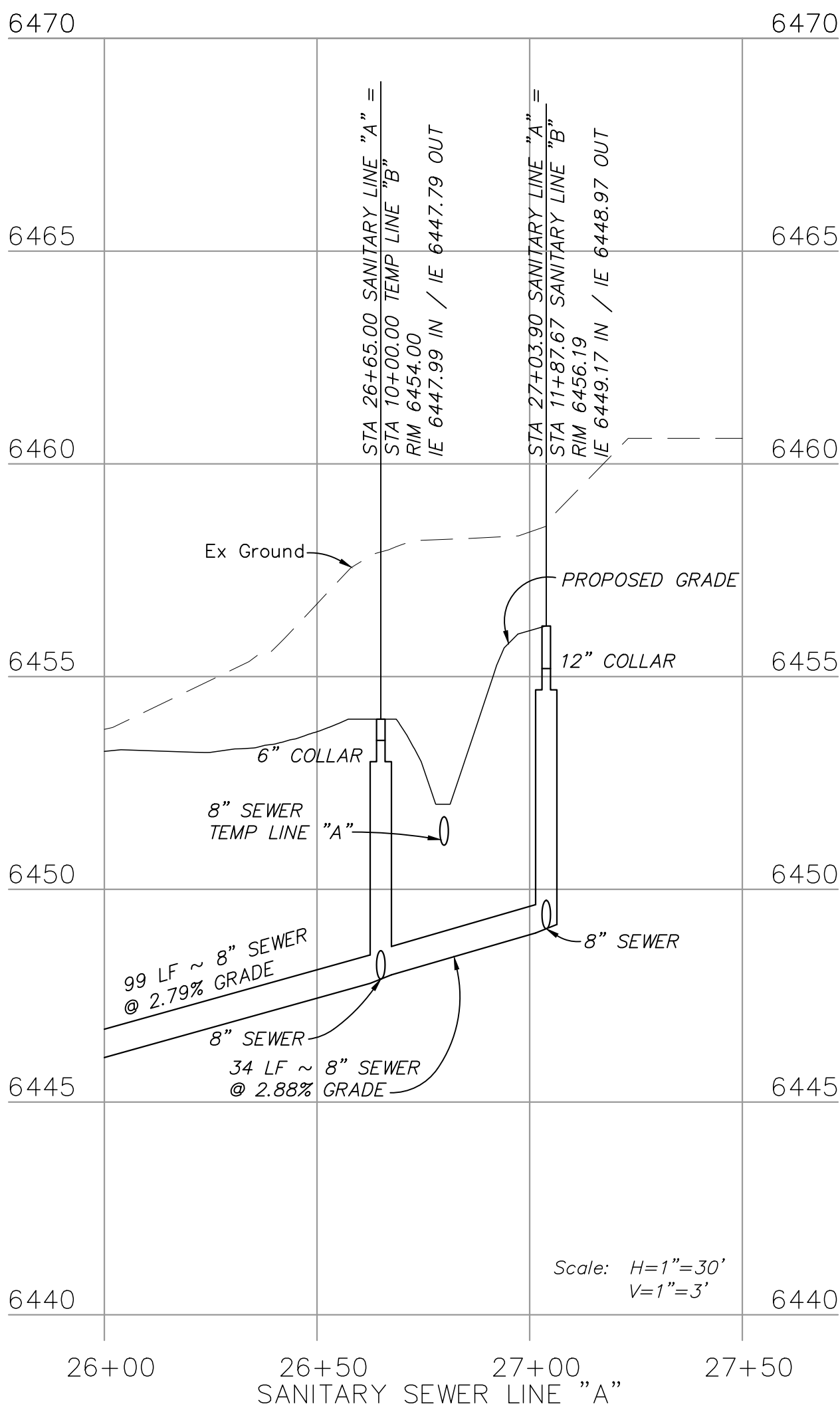
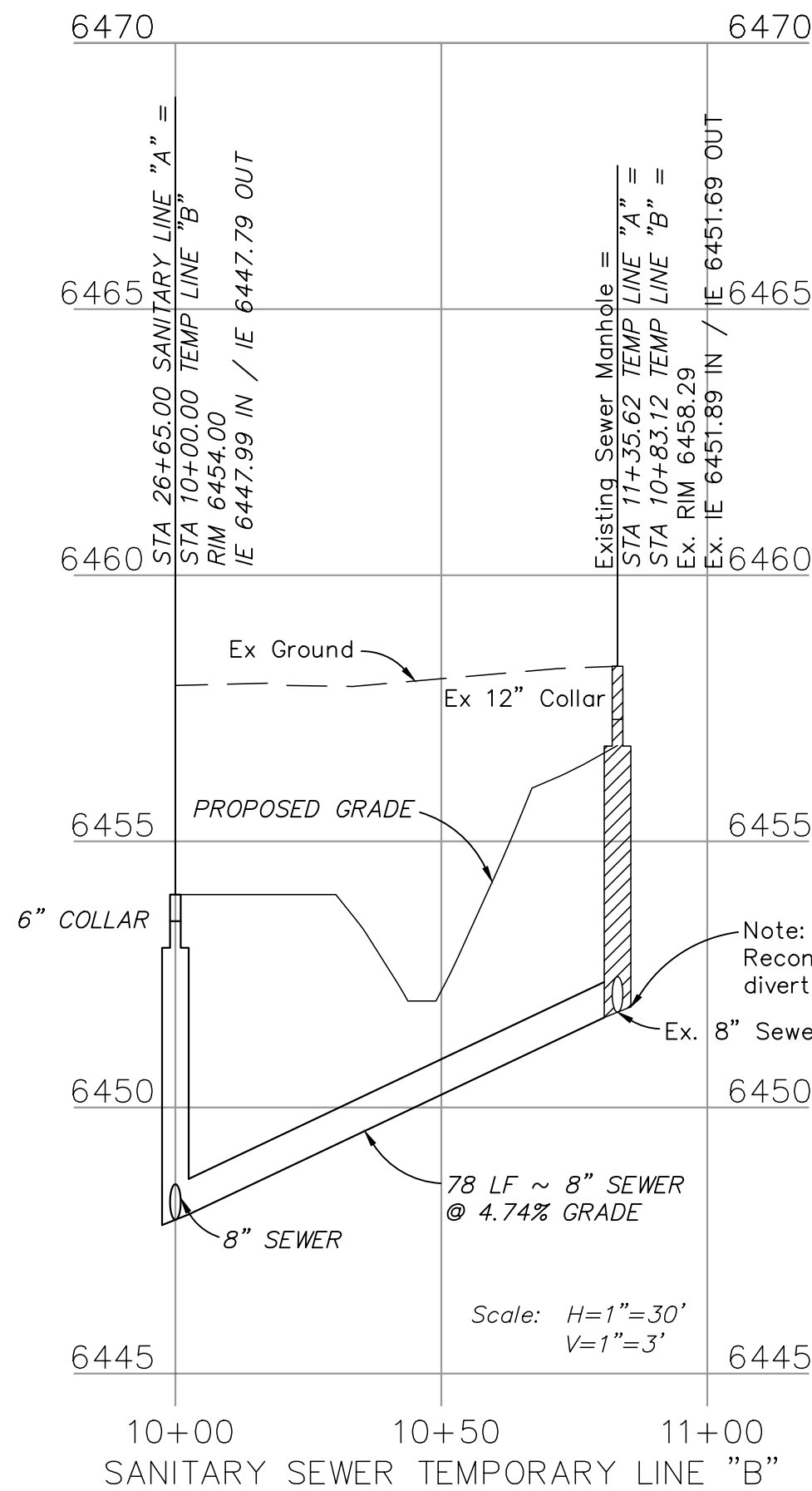
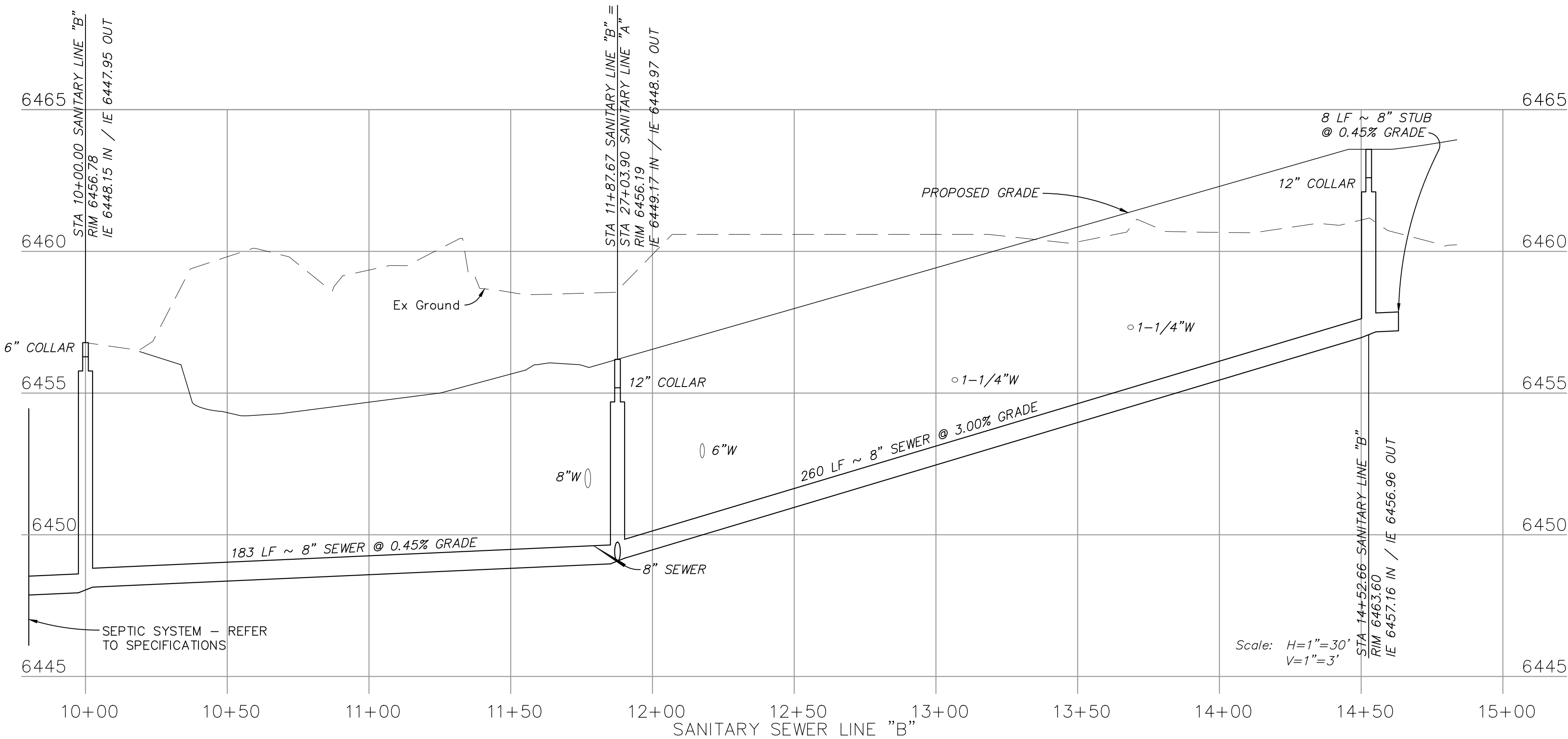
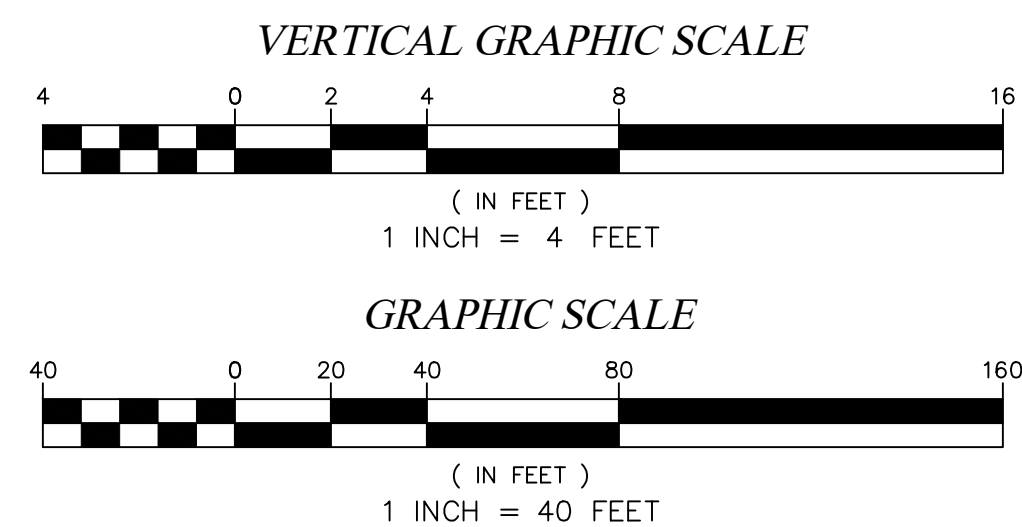
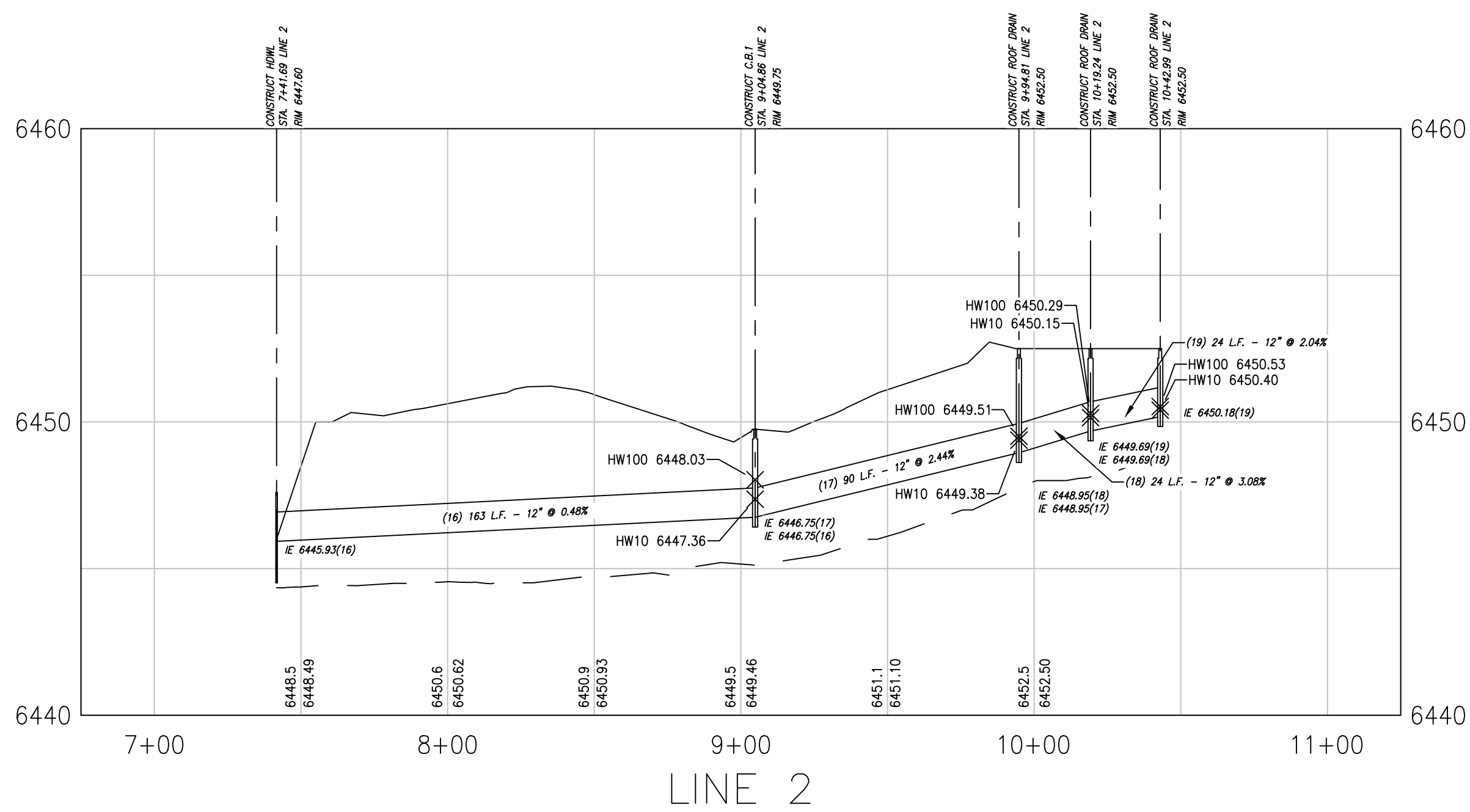
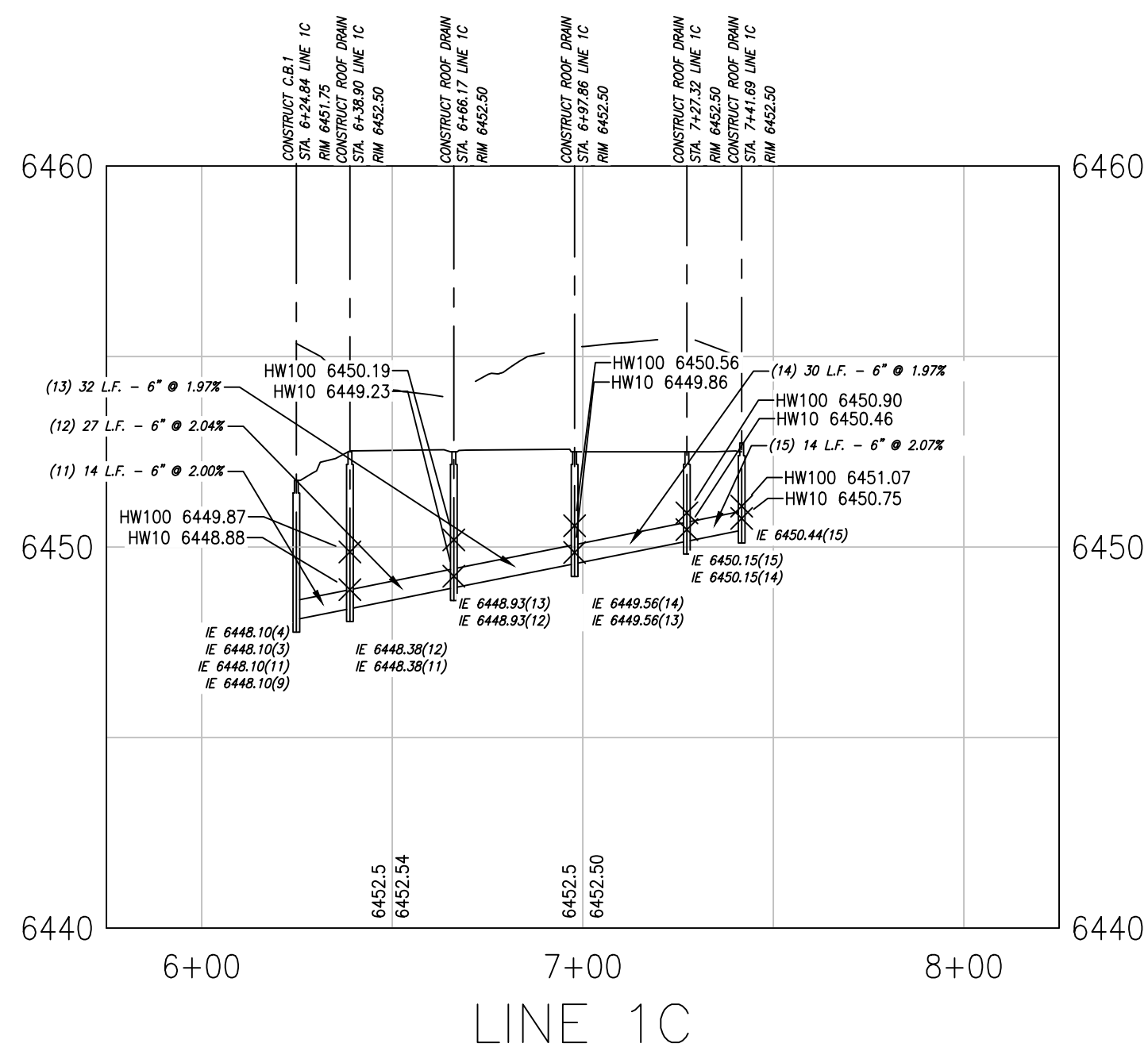
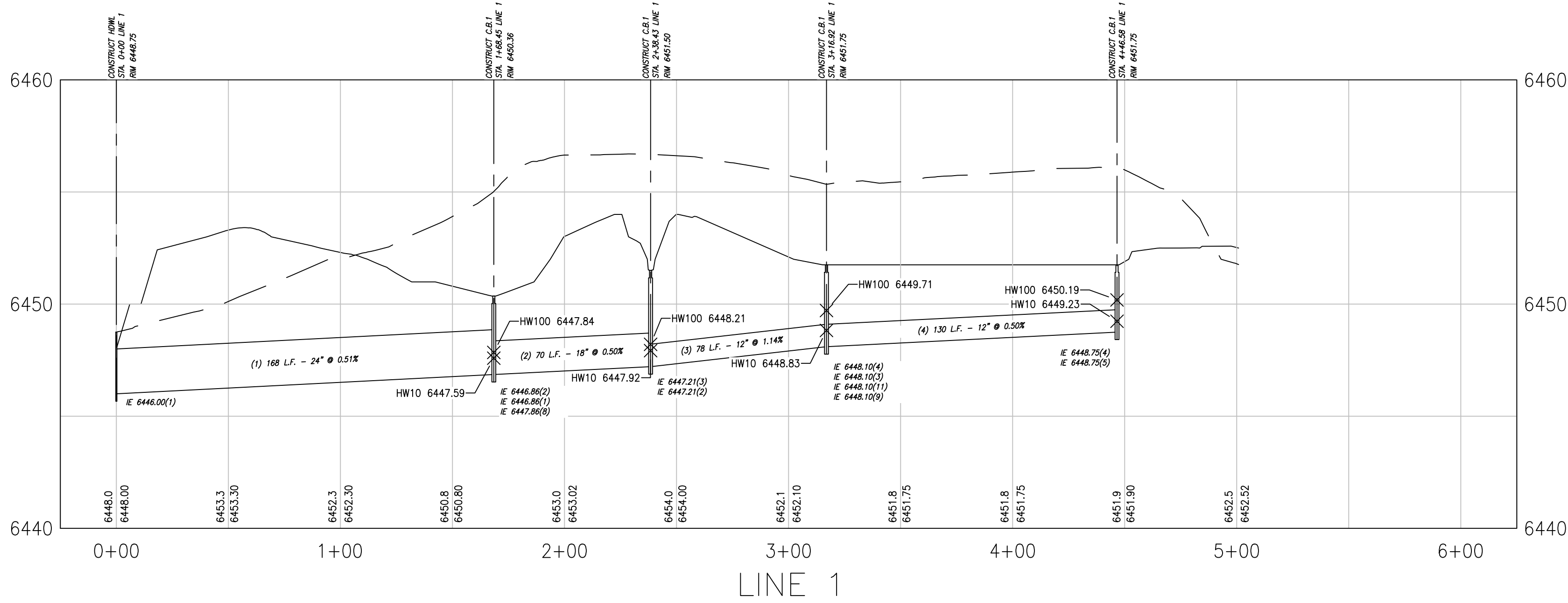




Note:
Reconstruct existing invert as required to
divert sewage flow into temporary line.



NOTES:
ALL SEWER SHALL BE PVC SDR-35
UNLESS OTHERWISE NOTED.
ALL DUCTILE IRON PIPE SHALL BE
DOUBLE WRAPPED WITH POLYETHYLENE
PLASTIC.



Cove Day School

VOLUME 1 OF 4

DOI, BIA NRO

Highway 13
Red Valley, AZ 85444

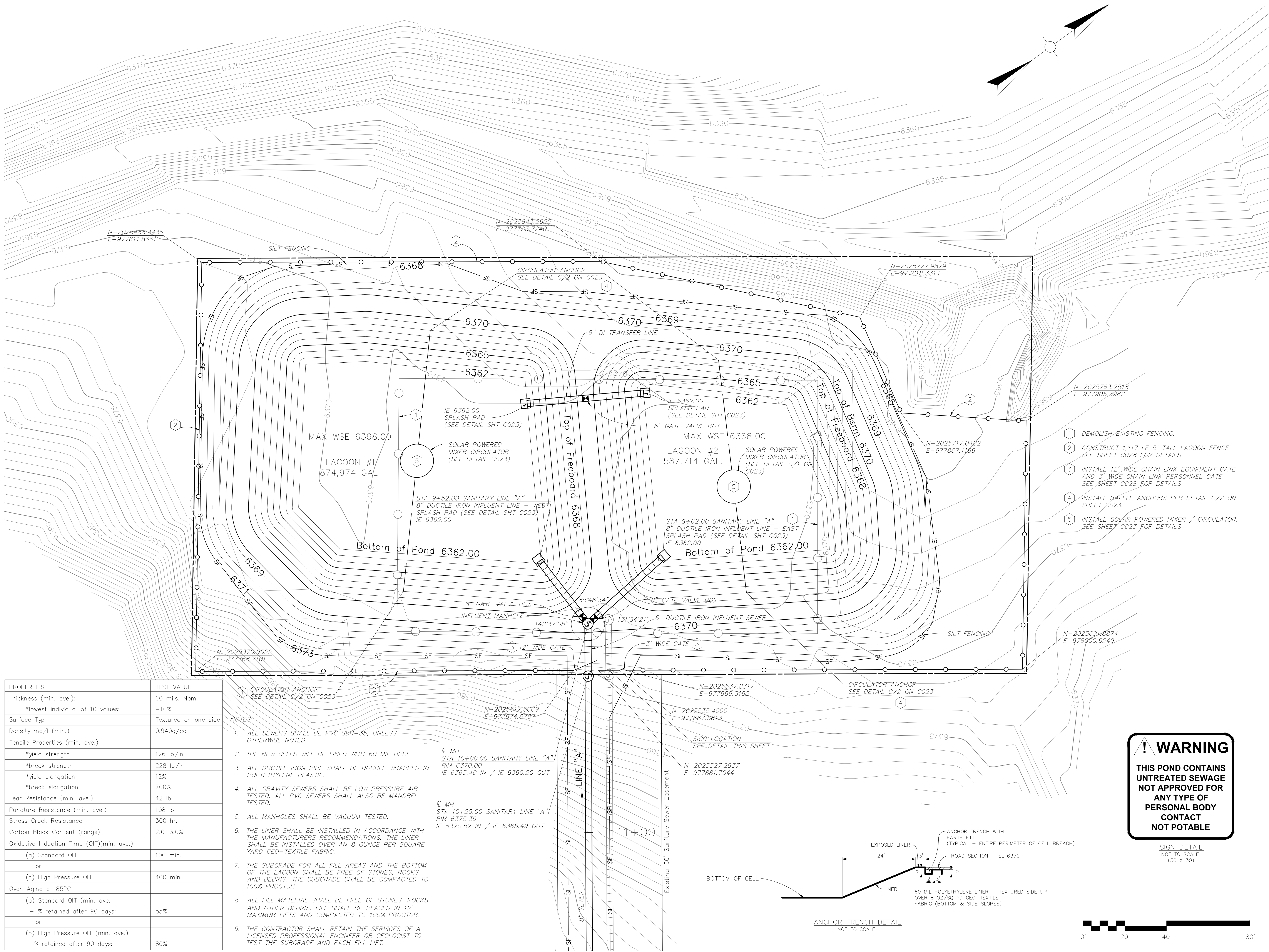
June 8, 2018
Project No. 15-2200

100% Construction
Documents

REVISIONS

Storm Drainage Profiles

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PROPERTIES	TEST VALUE
Thickness (min. ave.):	60 mils. Nom
*lowest individual of 10 values:	-10%
Surface Typ	Textured on one side
Density mg/l (min.)	0.940g/cc
Tensile Properties (min. ave.)	
*yield strength	126 lb/in
*break strength	228 lb/in
*yield elongation	12%
*break elongation	700%
Tear Resistance (min. ave.)	42 lb
Puncture Resistance (min. ave.)	108 lb
Stress Crack Resistance	300 hr.
Carbon Black Content (range)	2.0-3.0%
Oxidative Induction Time (OIT)(min. ave.)	
(a) Standard OIT	100 min.
--or--	
(b) High Pressure OIT	400 min.
Oven Aging at 85°C	
(a) Standard OIT (min. ave.	
- % retained after 90 days:	55%
--or--	
(b) High Pressure OIT (min. ave.)	
- % retained after 90 days:	80%

- NOTES:
- ALL SEWERS SHALL BE PVC SBR-35, UNLESS OTHERWISE NOTED.
 - THE NEW CELLS WILL BE LINED WITH 60 ML HPDE.
 - ALL DUCTILE IRON PIPE SHALL BE DOUBLE WRAPPED IN POLYETHYLENE PLASTIC.
 - ALL GRAVITY SEWERS SHALL BE LOW PRESSURE AIR TESTED. ALL PVC SEWERS SHALL ALSO BE MANDREL TESTED.
 - ALL MANHOLES SHALL BE VACUUM TESTED.
 - THE LINER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. THE LINER SHALL BE INSTALLED OVER AN 8 OUNCE PER SQUARE YARD GEO-TEXTILE FABRIC.
 - THE SUBGRADE FOR ALL FILL AREAS AND THE BOTTOM OF THE LAGOON SHALL BE FREE OF STONES, ROCKS AND DEBRIS. THE SUBGRADE SHALL BE COMPACTED TO 100% PROCTOR.
 - ALL FILL MATERIAL SHALL BE FREE OF STONES, ROCKS AND OTHER DEBRIS. FILL SHALL BE PLACED IN 12" MAXIMUM LIFTS AND COMPACTED TO 100% PROCTOR.
 - THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER OR GEOLOGIST TO TEST THE SUBGRADE AND EACH FILL LIFT.

© MH
STA 10+00.00 SANITARY LINE "A"
RIM 6370.00
IE 6365.40 IN / IE 6365.20 OUT

© MH
STA 10+25.00 SANITARY LINE "A"
RIM 6375.39
IE 6370.52 IN / IE 6365.49 OUT

Cove Day School

VOLUME 1 OF 4

DOI, BIA NRO

Highway 13
Red Valley, AZ 68544

June 8, 2018
Project No. 15-2200

100% Construction
Documents

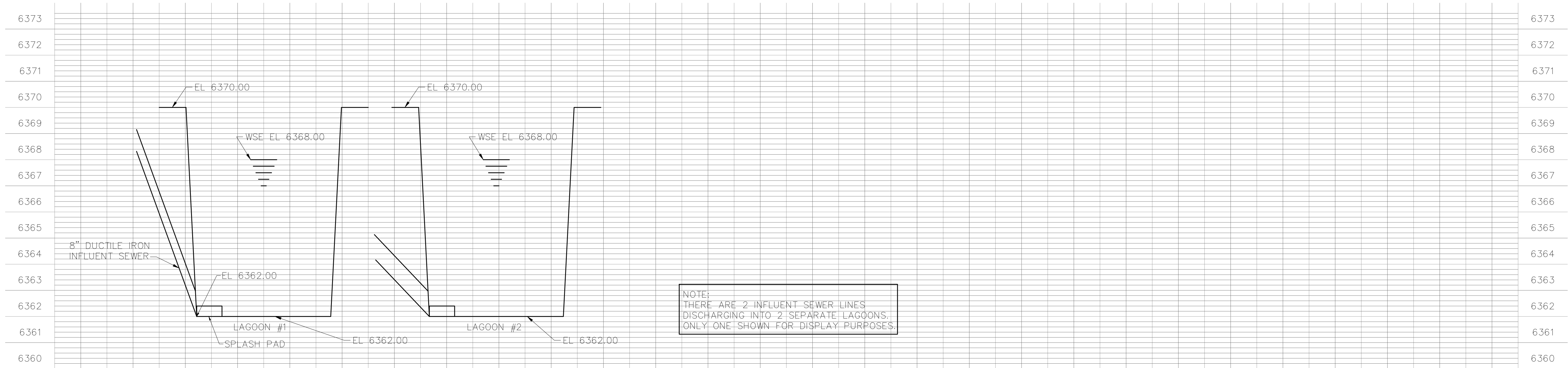
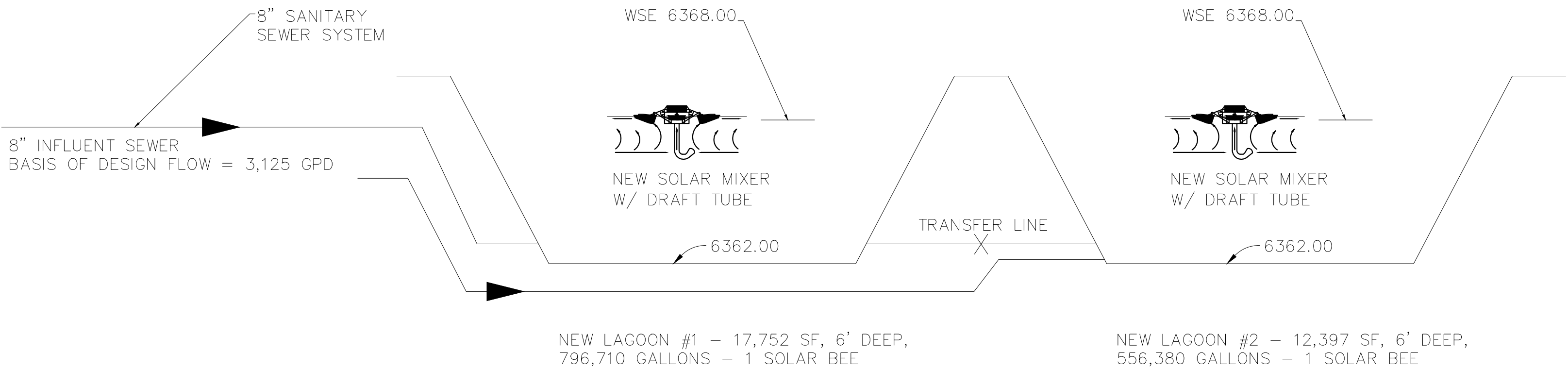
REVISIONS

Sanitary Sewer Lagoon Plan

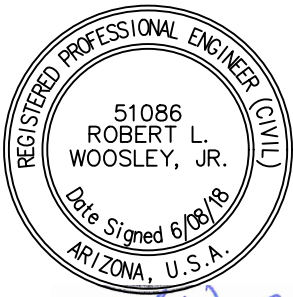
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C020

COVE DAY SCHOOL WASTEWATER TREATMENT PLAN DESIGN DATA SUMMARY				
INFLUENT		TREATMENT PROCESS		
ANNUAL AVERAGE DAILY FLOW	3,125 GPD	LAGOON #1		
PEAK HOUR FLOW	14,100 GPD	SURFACE AREA SF	17,752	
BOD	6 #/DAY	MAXIMUM DEPTH, FT	6	
TSS	6 #/DAY	VOLUME, GALLONS	796,710	
NH3-N	1 #/DAY	STARTUP	490	
PERMIT EFFLUENT LIMITATIONS (CURRENT PERMIT EXPIRED)		ULTIMATE	255	
BOD	WEEKLY AVERAGE 45 mg/l	WATER SURFACE ELEV.	6368.00	
	MONTHLY AVERAGE 60 mg/l	LAGOON #2		
TSS	WEEKLY AVERAGE 135 mg/l	SURFACE AREA SF	12,397	
	MONTHLY AVERAGE 90 mg/l	MAXIMUM DEPTH, FT	6	
NH3-N	MONTHLY AVERAGE 3.2 mg/l (at a PH of 8.5; limit varies with PH)	VOLUME, GALLONS	556,380	
PH	6.5 to 9.0	STARTUP	342	
DO	>6.0 mg/l	ULTIMATE	178	
E. Coli	DAILY MAXIMUM 580 CFU	WATER SURFACE ELEV.	6368.00	
	MONTHLY AVERAGE 130 CFU	SYSTEM DESIGNED AS A NON-DISCHARGING FACILITY		
TRC	DAILY MAXIMUM 0.011 mg/l	TOTAL DETENTION TIME AT THE ULTIMATE DESIGN FLOW OF 3,125 GPD FLOW = 433 DAYS		
Temp.	DAILY MAXIMUM 90°	CURRENT (STARTUP) CONDITION:		
		65 students and staff x 25 gpcpd = 1,625 gpd Average		
		Daily Flow; Residence Time Lagoon Cell 1 = 796,710		
		gallons/1,625 gpd = 490 days; Residence Time Lagoon		
		Cell 2 = 556,380 gallons/1,625 gpd = 342 days; Total		
		residence Time at Startup = 832 days		
		ULTIMATE CONDITION:		
		125 students and staff x 25 gpcpd = 3,125 gpd Average		
		Daily Flow; Residence Time Lagoon Cell 1 = 874,974		
		gallons/3,125 gpd = 255 days; Residence Time Lagoon		
		Cell 2 = 556,380 gallons/3,125 gpd = 178 days; Total		
		residence Time Ultimate Condition = 433 days		



SCALE: NTS HORIZONTAL
1" = 2' VERTICAL



Cove Day School

VOLUME 1 OF 4

DOI, BIA NRO

Highway 13
Red Valley, AZ 68544

June 8, 2018

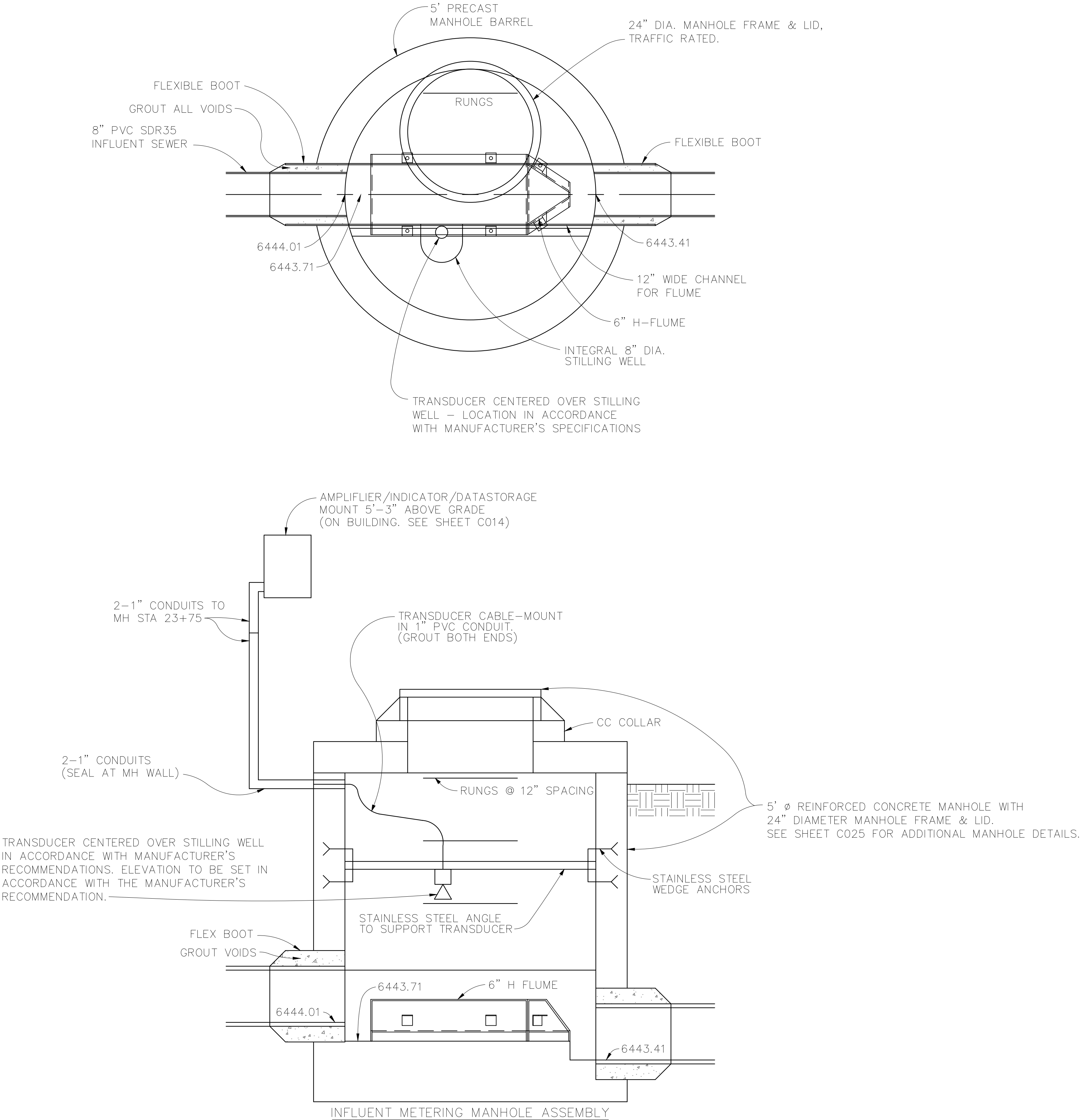
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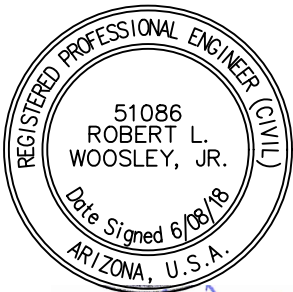
100% Construction
Documents

REVISIONS

Process Flow Schematic / Hydraulic Profile & Plant Design Data

Flow Meter:	Flow meter shall be a microprocessor based, non-contacting system housed in a Nema 4x enclosure. NEMA 4X enclosure. The manufacture shall provide complete startup services, operator training and 3 copies of an Operation and Maintenance for equipment and components supplied under this specification. Meter shall be as manufactured by Quality Control Equipment, Des Moines, IA or equal. Meter shall meet the following specifications:
Power Requirement:	85–264 VAC / 47 ~ 440 Hz, 12 VDC, 10W max.
Display:	64 x 128 high contrast LCD graphical display with back-lighting. Real-time Status Displays * Flow Rate / Total Volume * Flow Rate / Head Distance * Flow Rate / % Flow * Flow Rate / Temperature Echo Viewer for resolving acoustic / mounting / set-up issues.
Totalizer (counter):	9-digit accumulative with automatically scaling multiplier of x1, x10, x100, and x1000
Analog Outputs:	2 independent 4–20 mA into 750 ohm maximum load. 1 0–5 / 0–10V software selectable voltage output into 2000 ohm minimum load.
Digital Outputs:	All Isolated, dry-contact relay outputs. 10A / 125VAC rated. 1 flow rate pulsing output with software selectable pulse rate. Maximum pulse rate 2 per sec. 1 high flow rate alarm output. 1 low flow rate alarm output. 1 fault alarm output.
Communication Output:	1 RS–232 communication port for use with Remote Monitoring Software
Built-In Primary Device Equations:	6" H-Flume
Sensing Range:	15" to 22 ft.
Sensing Window:	Fully adjustable within sensing range
Measurement Resolution:	4 significant digits. 0.01%, Distance resolution 0.010%
Measurement Accuracy:	±0.5%
Thermal Compensation:	Speed of sound thermal compensation automatically done at the sensing head.
Display Units:	User Selectable GPM gallons per minute MGD million gallons per day CFS cubic feet per second LPS liters per second CMS cubic meters per second
Memory:	FLASH, RAM, FRAM, non-volatile storage for operating conditions and programs, 2-Gbyte MMC data card for archival data.
Logging / Archiving:	Totals, average flow, minimum flow, and maximum flow logged hourly, 6-hourly, 8-hourly, daily, monthly and yearly. All archives are browse-able from the display panel or remotely. MMC card may be removed and read directly by PC in CSV format.
Sensor:	
Exposed Material:	PVC
Beam Pattern:	13° (–6db full angle)
Principle of Operation:	Pulse Echo. All drive / signal processing done at the head. Adaptive echo processing. Nominal frequency 40 kHz ±4 kHz optimized within the head. Heads are field interchangeable without calibration.
Communication:	Modbus RTU over RS–485
Cable:	Up to 1500 ft. without compensation
Thermal Accuracy:	0.5°F absolute





Cove Day School

VOLUME 1 OF 4

DOI, BIA NRO

Highway 13
Red Valley, AZ 68544

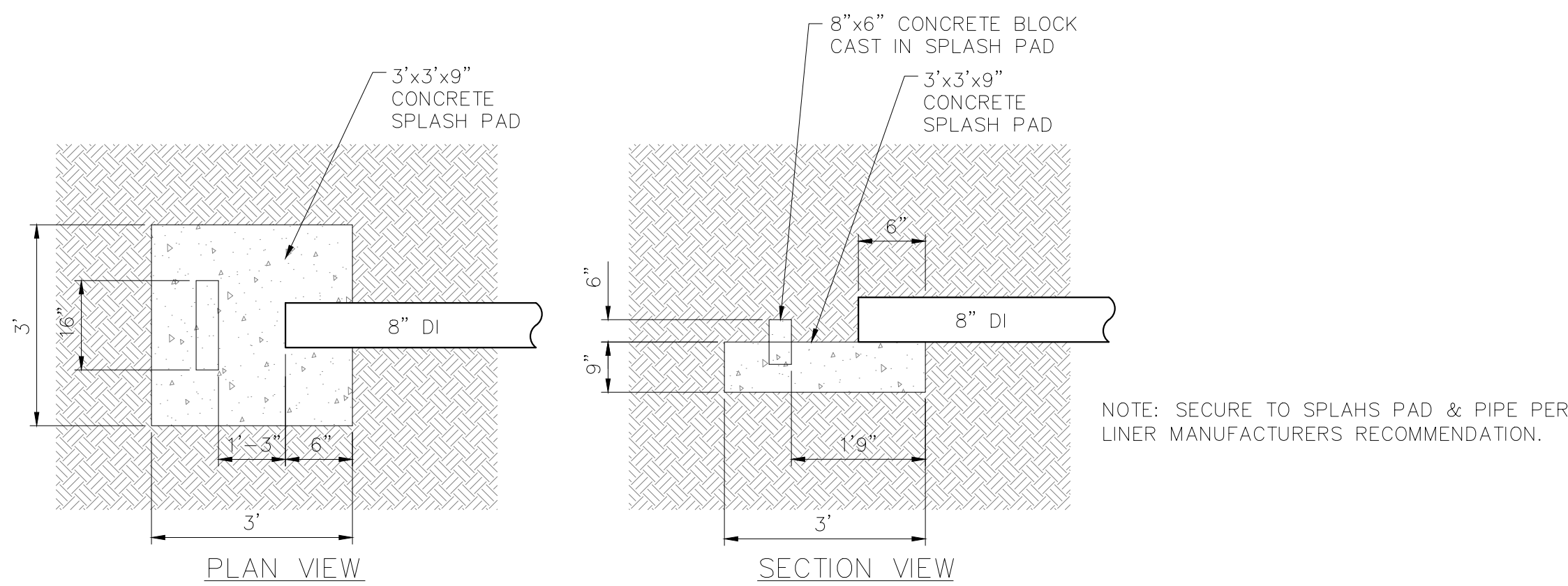
June 8, 2018

Project No. 15-2200

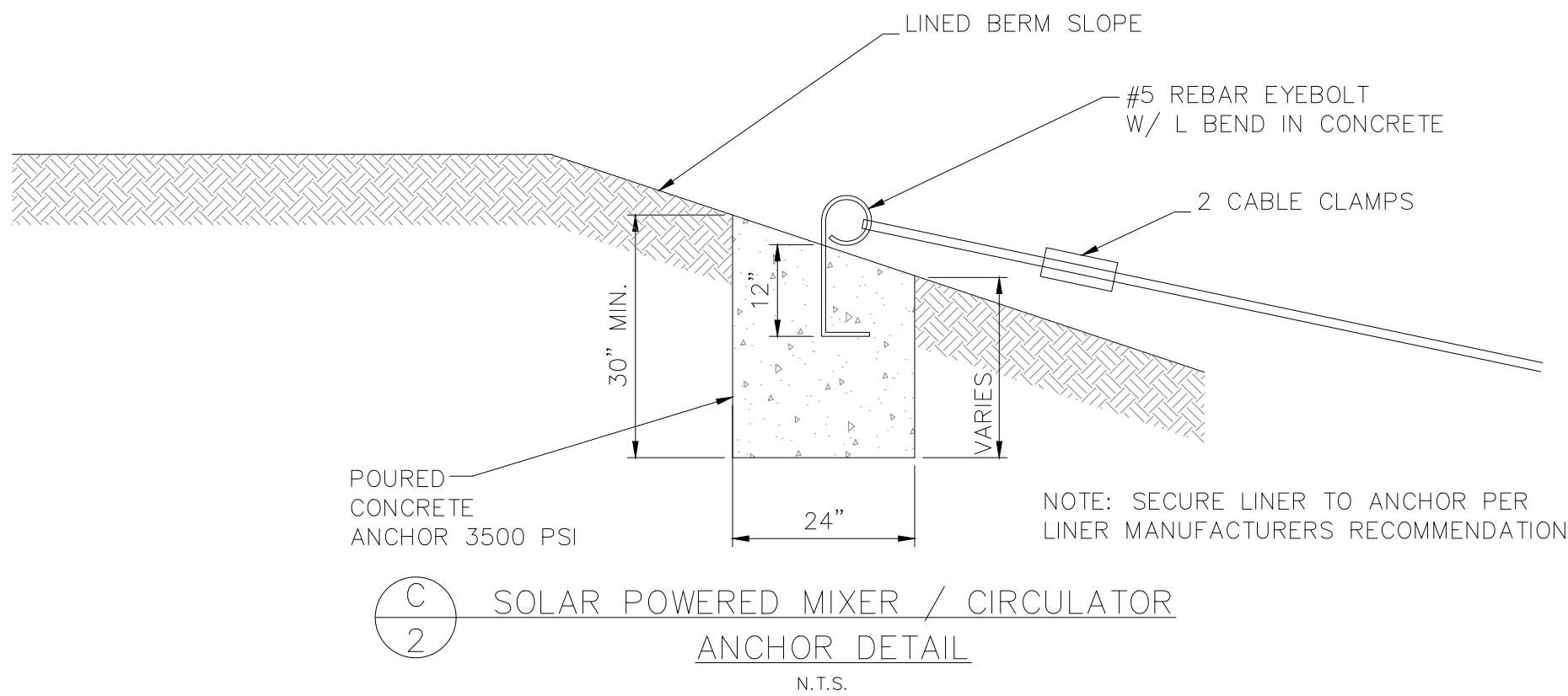
100% Construction Documents

REVISIONS

Solar Powered Mixer / Circulator Details



SPLASH PAD DETAIL
N.T.S.



SOLAR POWERED MIXER / CIRCULATOR PERFORMANCE CRITERIA

Basis of Design:

Solar Bee SB2500 v18 as manufactured by Medora Corporation, 3225 Hwy 22, Dickinson, North Dakota 58601.
Phone 866 437 8076 or 701 225 4495; Fax 701 225 0002; www.medroaco.com
NOTE: Provide Basis of Design model or an approved equivalent.

Technology Description:

Floating, solar powered, circulation equipment for wastewater treatment and freshwater applications. Day/night operation on solar only by utilizing a battery to store excess daytime power for nighttime operation.

Flow Rates:

Flow rates at full speed at 10 feet (3.0 meter) diameter

Direct Flow Rate

350 gallons per minute (1,320 liter per minute).

Induced Flow Rate

2,150 gallons per minute (8,150 liter per minute).

Combined Flow Rate

2,500 gallons per minute (9,470 liter per minute).

Materials of Construction:

316 stainless steel construction. Foam-filled high-density polyethylene (HDPE) floats. Thermoplastic rubber intake hose. HDPE strainer. Concrete mooring blocks encapsulated in HDPE (if used).

Drive System:

High torque, direct drive (no gearbox), low voltage brushless D.C. motor.

Power Supply/Control System:

PV solar panels protected from bird fouling with bird deterrent kit.

PV Solar Panels:

3 X 80-watt photovoltaic solar panels orientated in triangular pattern. On-board battery storage for day/night operation.

Electronic Controller:

Digital solid-state controller, mounted in weather-tight (NEMA 4X) enclosure with externally fused disconnect. SCADA output through RS-232 serial communication (Modbus RTU), DB9 male connection point inside enclosure. Wireless options available.

Wiring:

Corrosion-resistant industrial cord with molded watertight connectors.

Rotating Assembly:

Removable assembly with easy access to motor and electronic controller. Impeller handles 4-inch (10cm) spherical solids. Oil-filled (food grade) teflon freeze sleeve with o-rings, shaft. Rotational indicator on shaft.

Flotation System:

Three floats in triangular pattern each with an adjustable float arm for proper vertical positioning, total float buoyancy of 1,450 pounds (660 kg) for basis of design unit. (Float buoyancy to be adjusted as required for actual unit installed.)

Fluid Intake Assembly: Hose System

Hose system bolted to bottom of structural assembly.

Intake Type

Provide 40 feet (12m) of 12-inch (30cm) diameter hose per unit in 20 feet (6m) sections.

Inlet Depth Adjustment

Inverted bell shape strainer with 3-inch (7.6 cm) holes.
Can vary from 0 to 40 feet (0 to 12m).

Anchoring:

Tethered to shore with stainless steel cable.

Ice Protection:

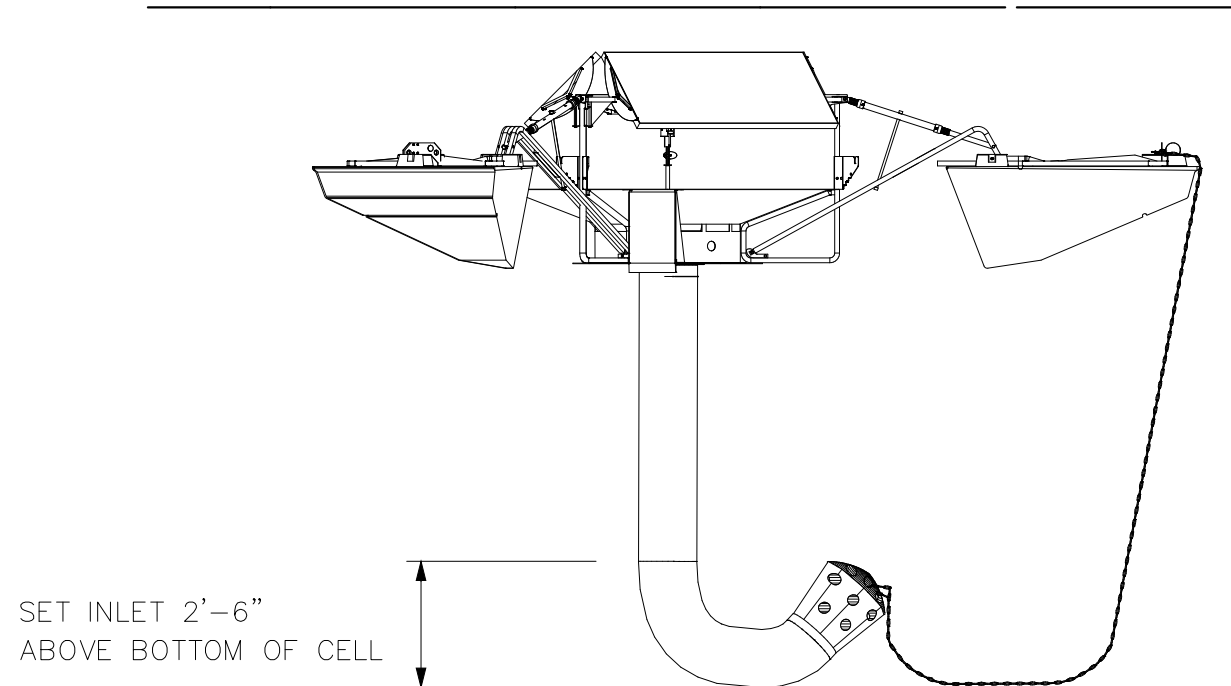
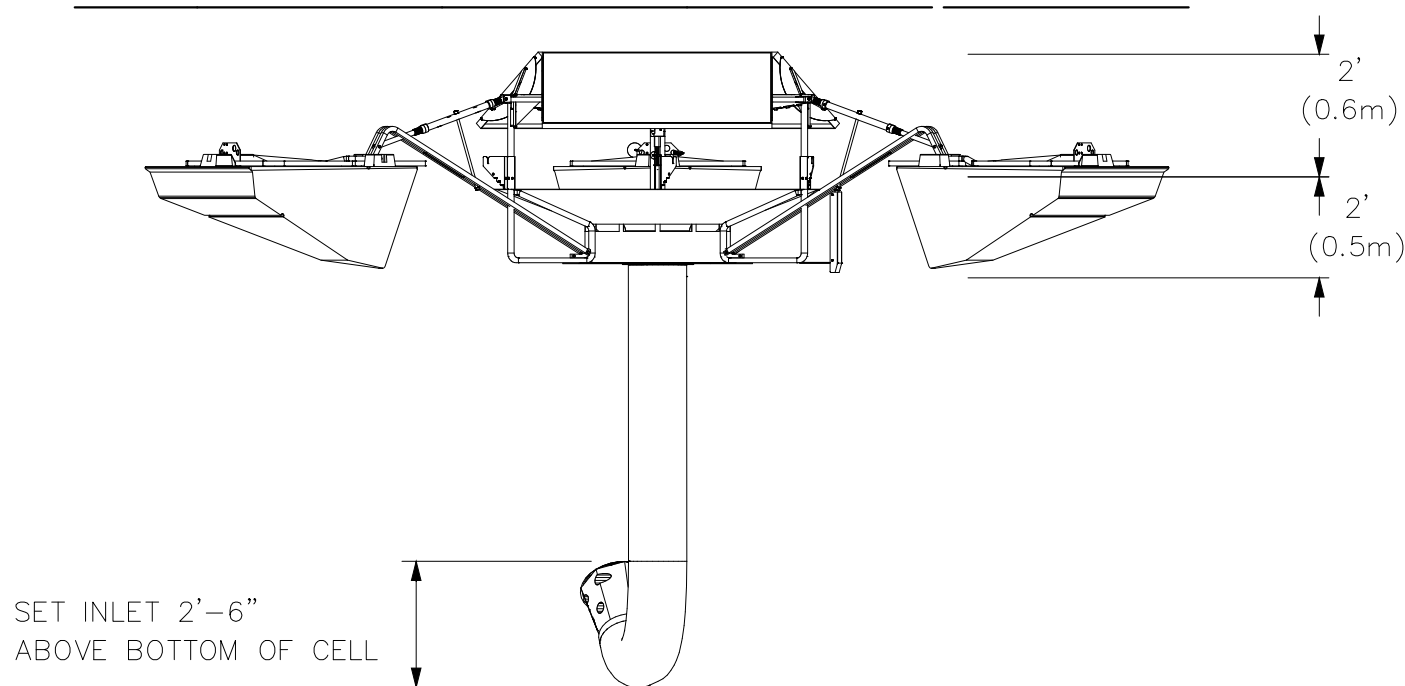
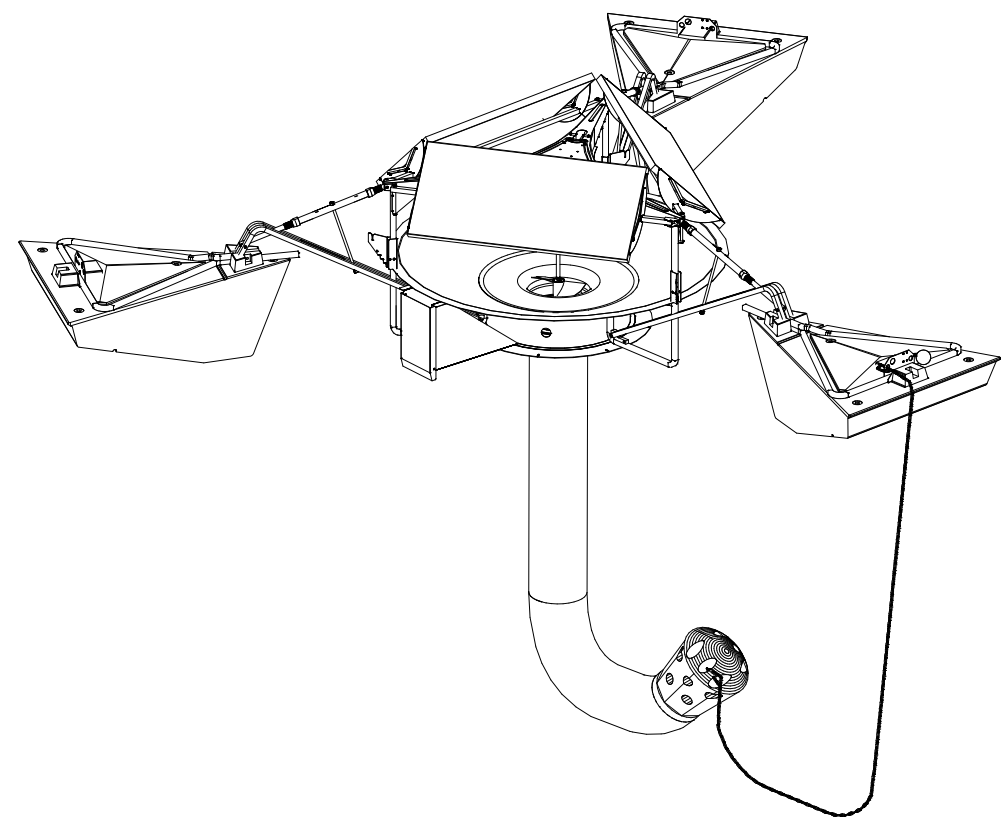
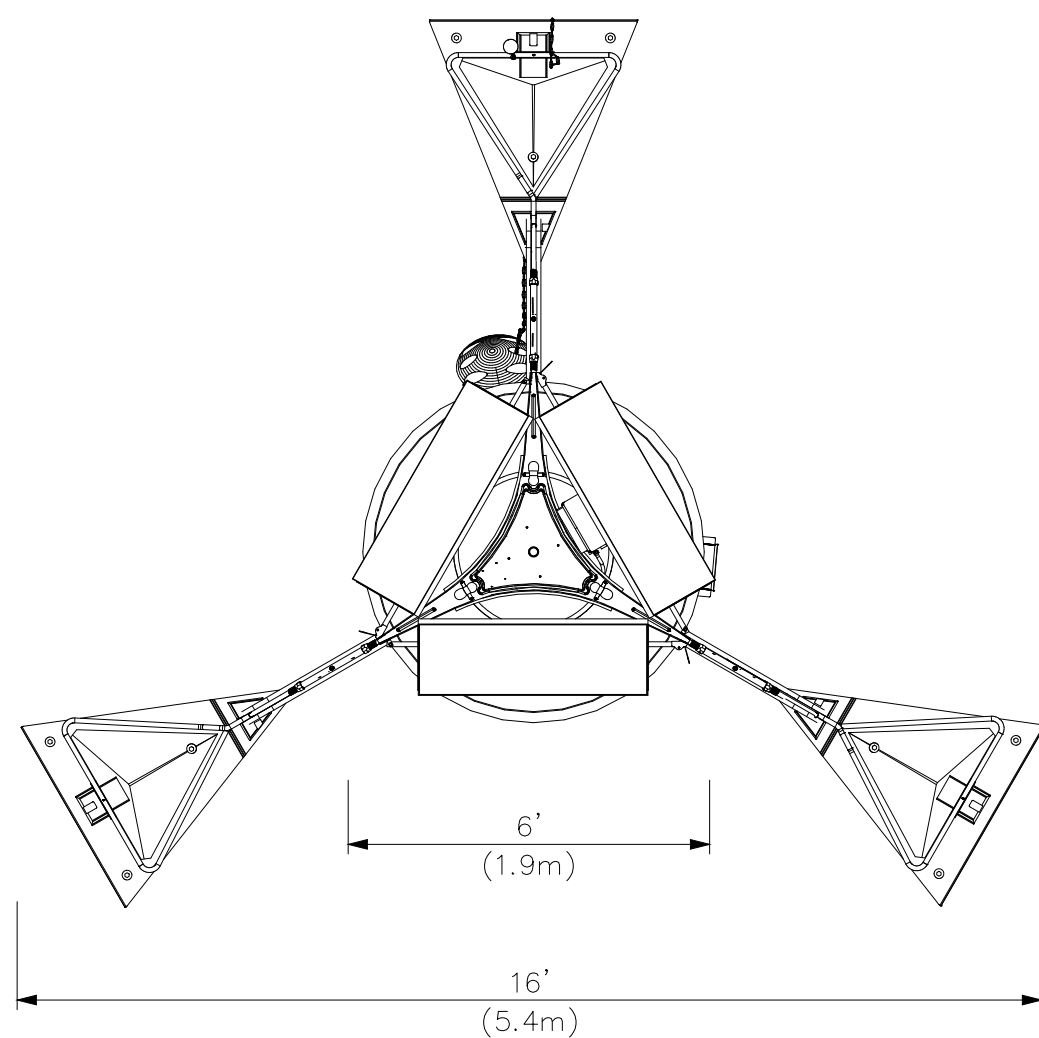
Freeze sleeve allows shaft to rotate while ice is formed around freeze sleeve.

Warranty:

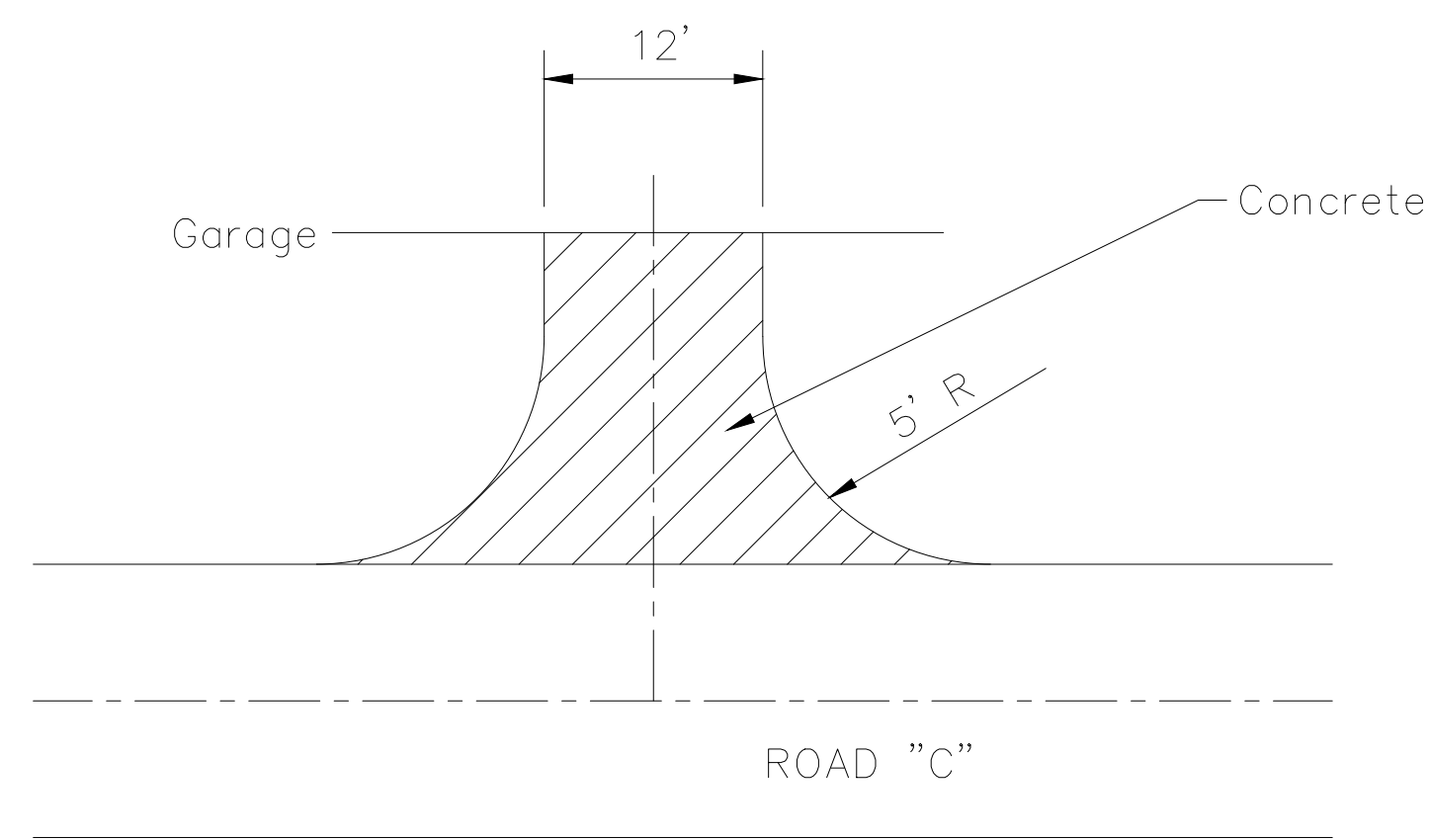
Limited 2-year parts and labor warranty. Limited 25 year photovoltaic module manufacturer performance warranty and 10 year motor warranty.

Service Program:

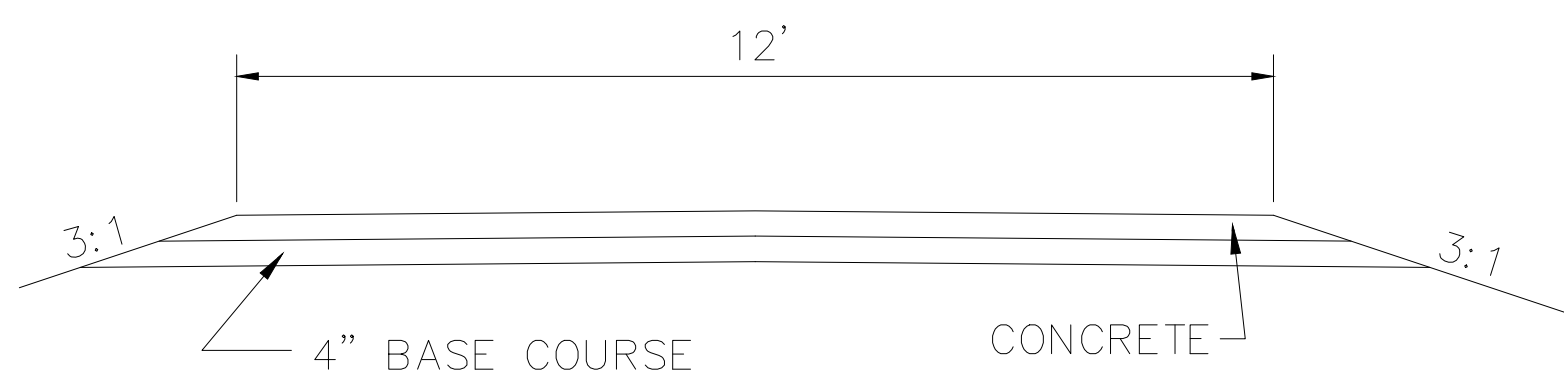
Provide twenty four (24) month service program for each new mixer/circulator (equivalent to the "BeeKeeper Service Program" of the basis of design unit)



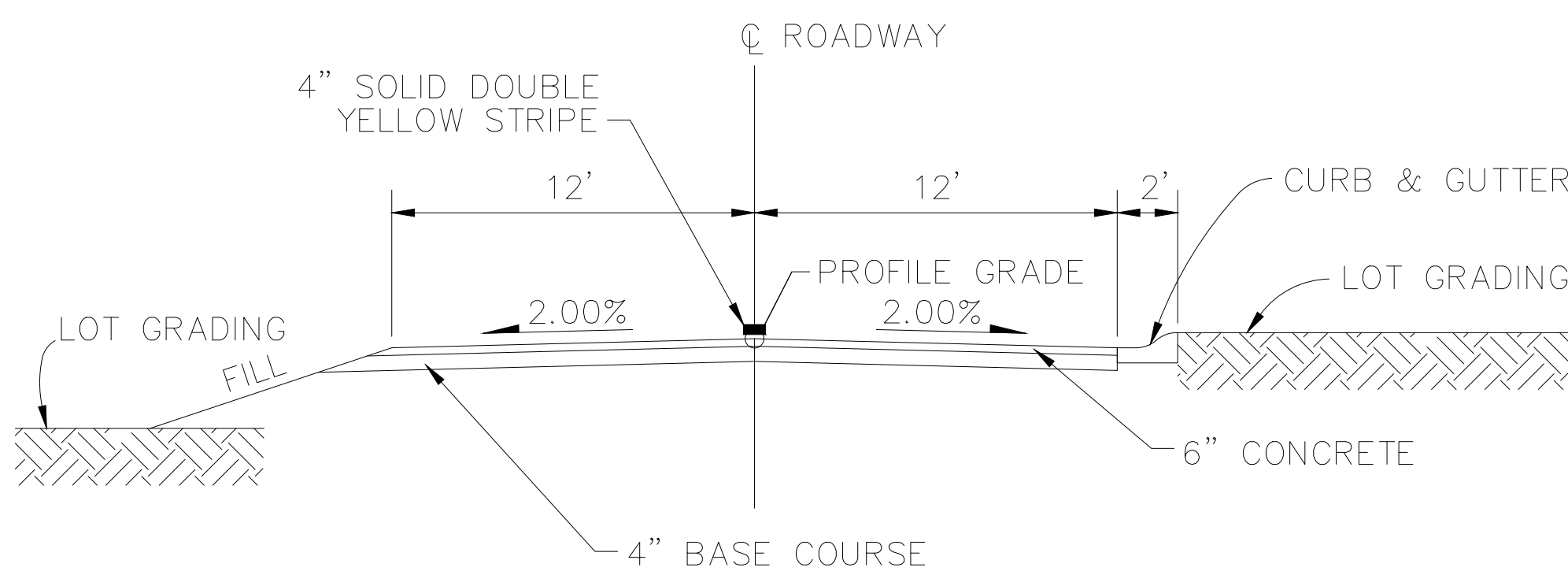
SOLAR POWERED MIXER / CIRCULATOR
N.T.S.



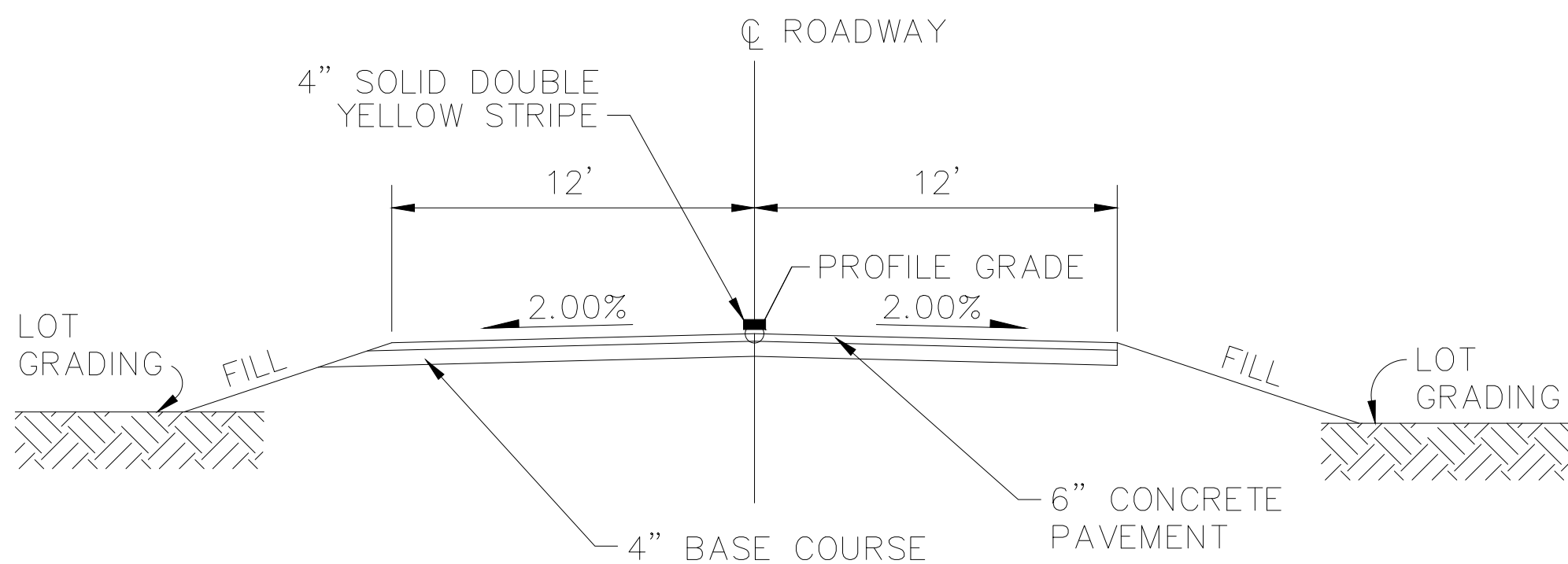
TYPICAL DRIVEWAY
SCALE: N.T.S.



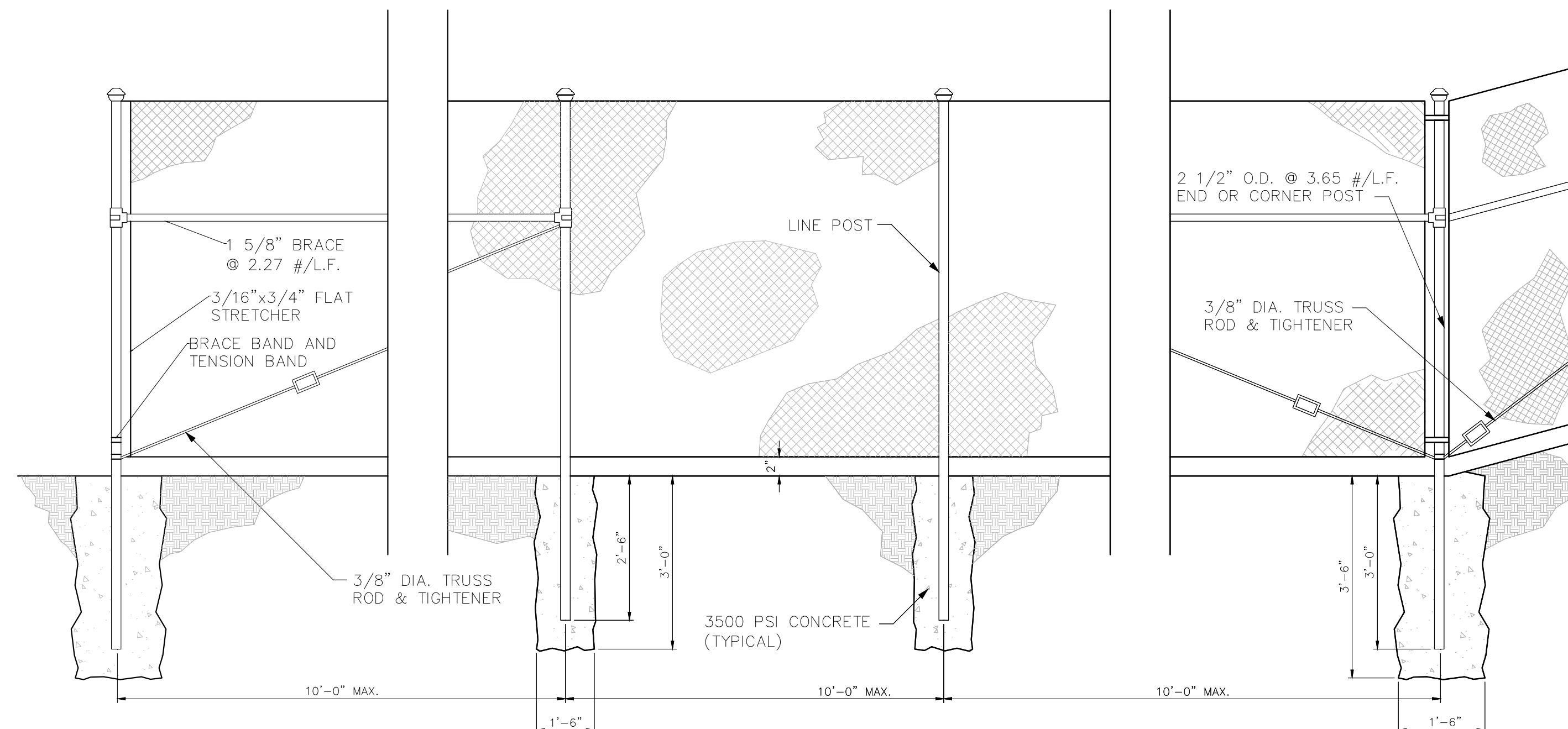
DRIVEWAY SECTION
SCALE: N.T.S.



ROAD "B" PAVEMENT SECTION
SCALE: 1"=5'
STA 10+00.00 TO STA 13+10.00

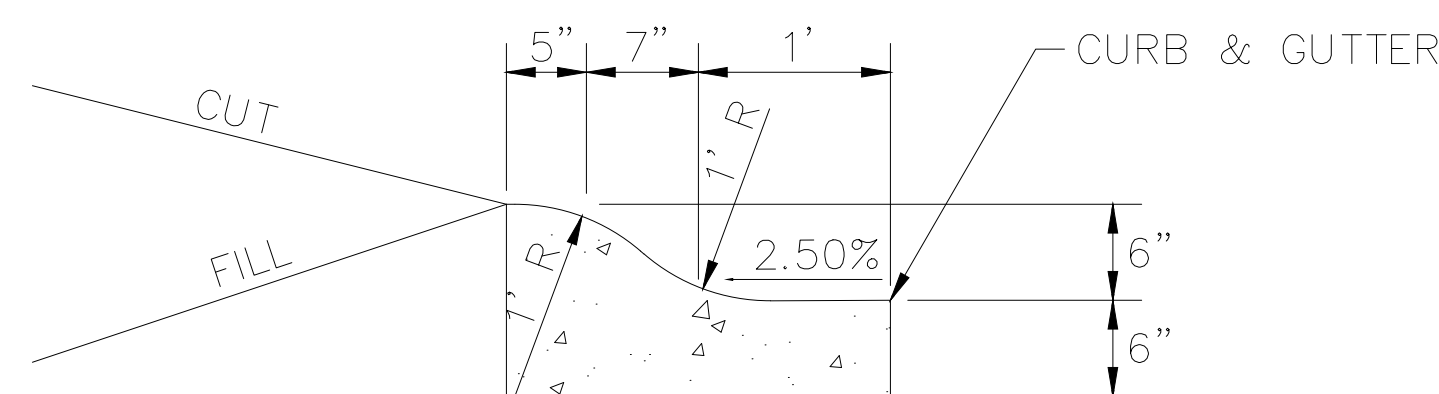


ROADS "A" & "B" PAVEMENT SECTION
SCALE: 1"=5'
STA 10+00.00 TO STA 11+98.50 ROAD "A"
STA 13+10.00 TO STA 19+20.84 ROAD "B"

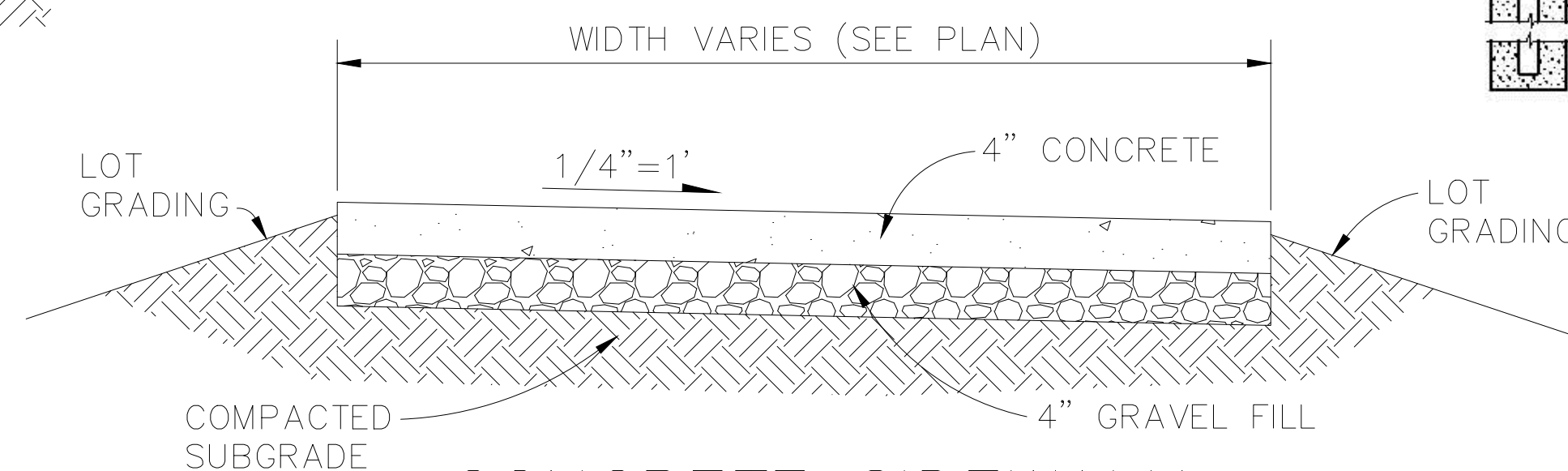


- NOTES:
1. CHAIN LINK FENCE POSTS SHALL CONFORM TO THE CHAIN LINK FENCE MANUFACTURERS INSTITUTE, CHAIN LINK FENCE WIND LOAD GUIDE FOR THE SELECTION OF LINE POST AND LINE POST SPACING, CURRENT EDITION. DIMENSIONS, SPACINGS AND MEMBER SIZES SHOWN ARE MINIMUMS.
 2. FENCE DETAIL APPLIES FOR THE LAGOON AND THE SCHOOL.
 3. FENCE REQUIRES USE OF 12" VERMIN CONTROL MATERIAL.

CHAIN LINK FENCE DETAIL
NOT TO SCALE

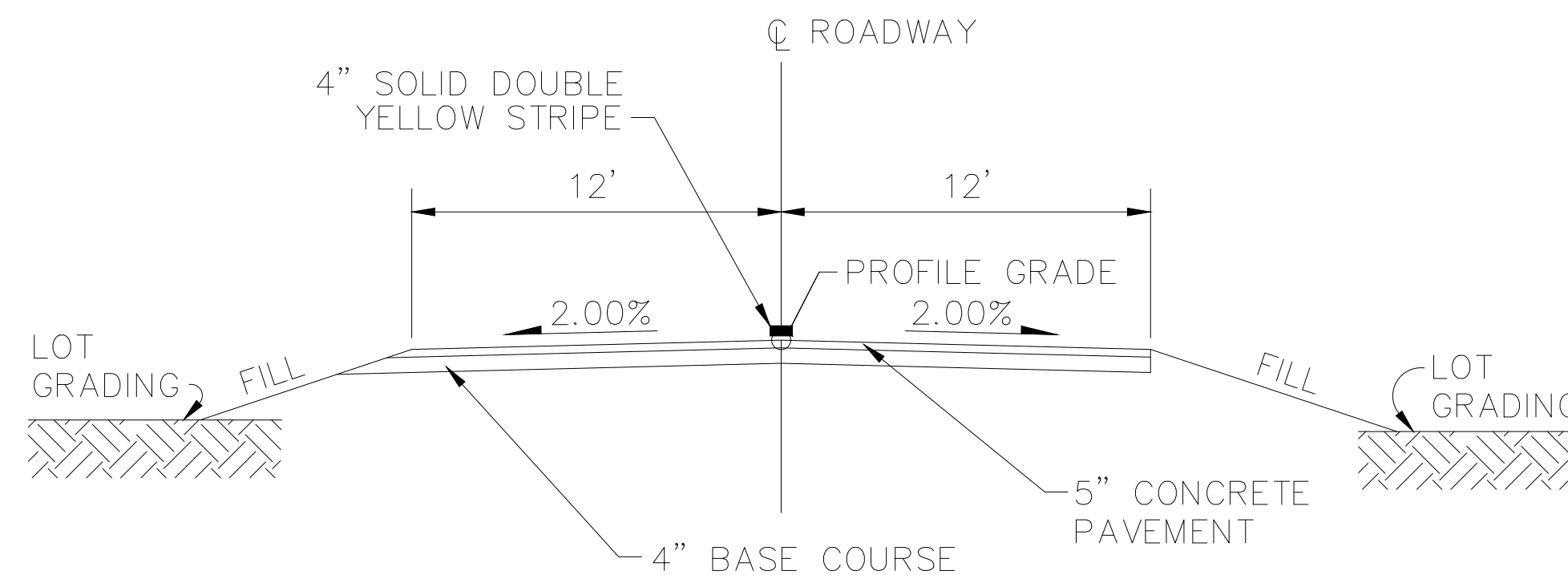


CURB & GUTTER DETAIL
SCALE: 1"=1'

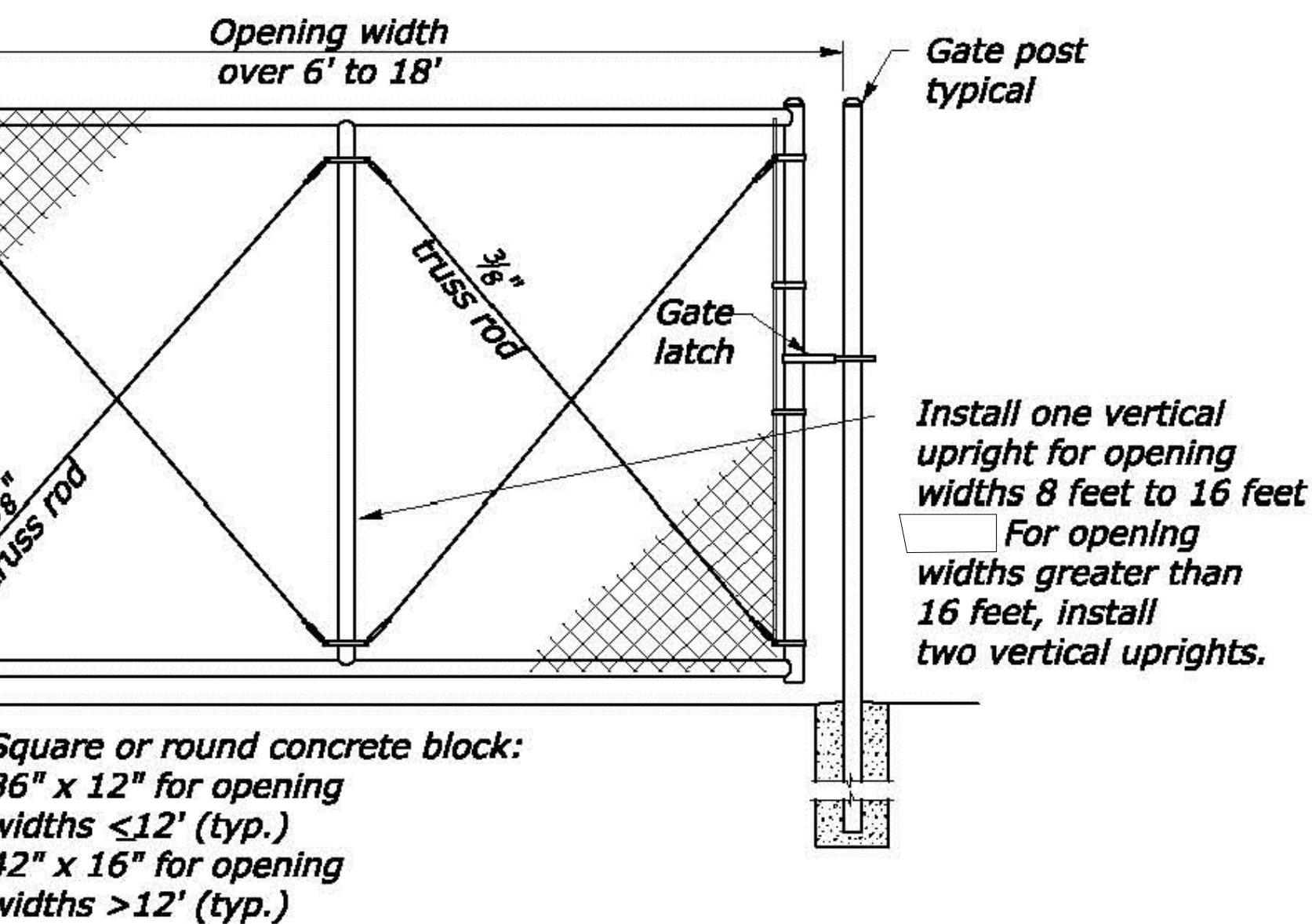


CONCRETE SIDEWALK
SCALE: 1"=1'

SIDEWALK NOTE:
PROVIDE HAND TOOLED TRANSVERSE &
LONGITUDINAL CONTRACTION JOINTS @ 5'-0" O.C.
MAX., 3/8" EXPANSION JOINTS @ 25'-0" O.C. MAX.

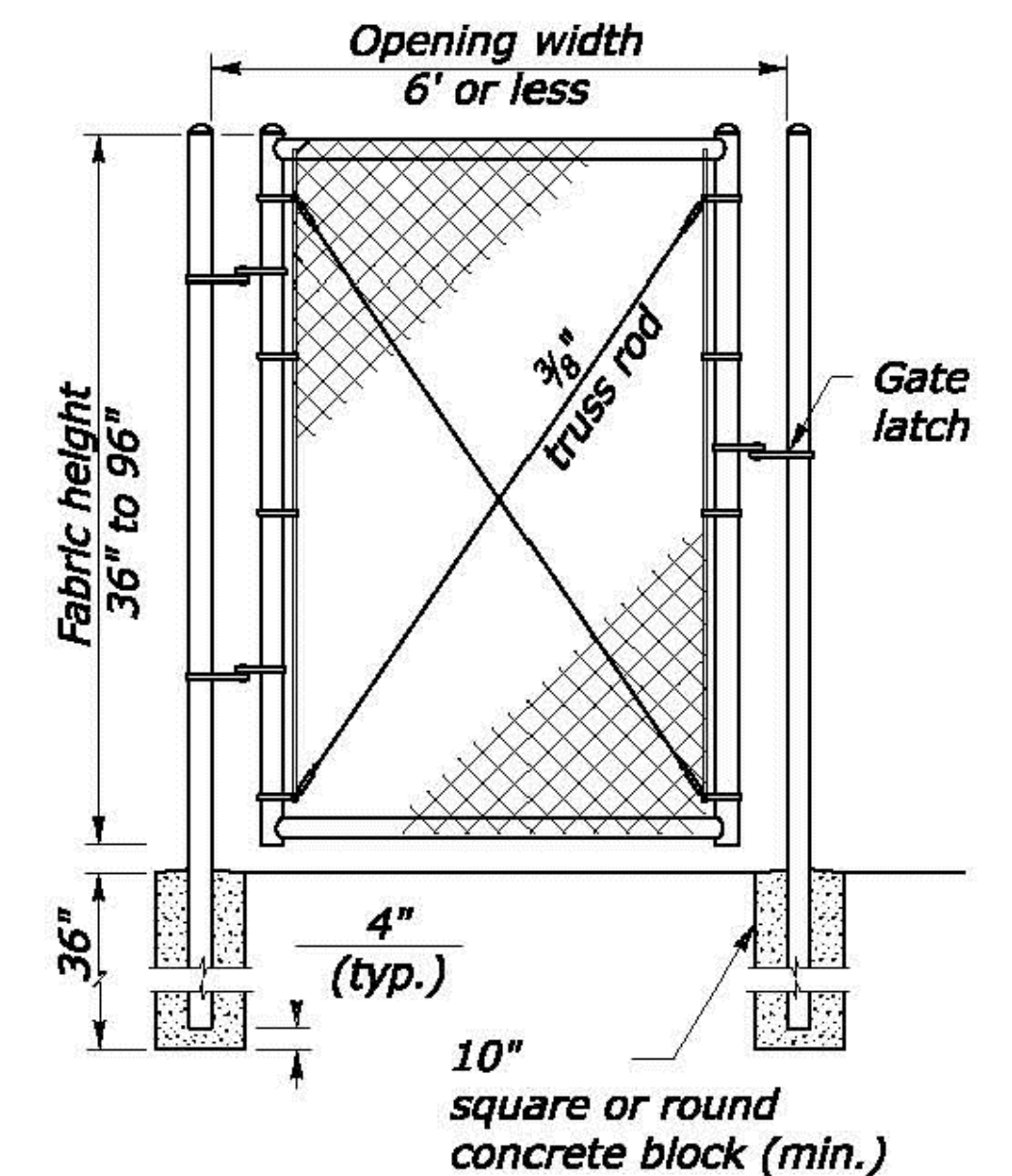


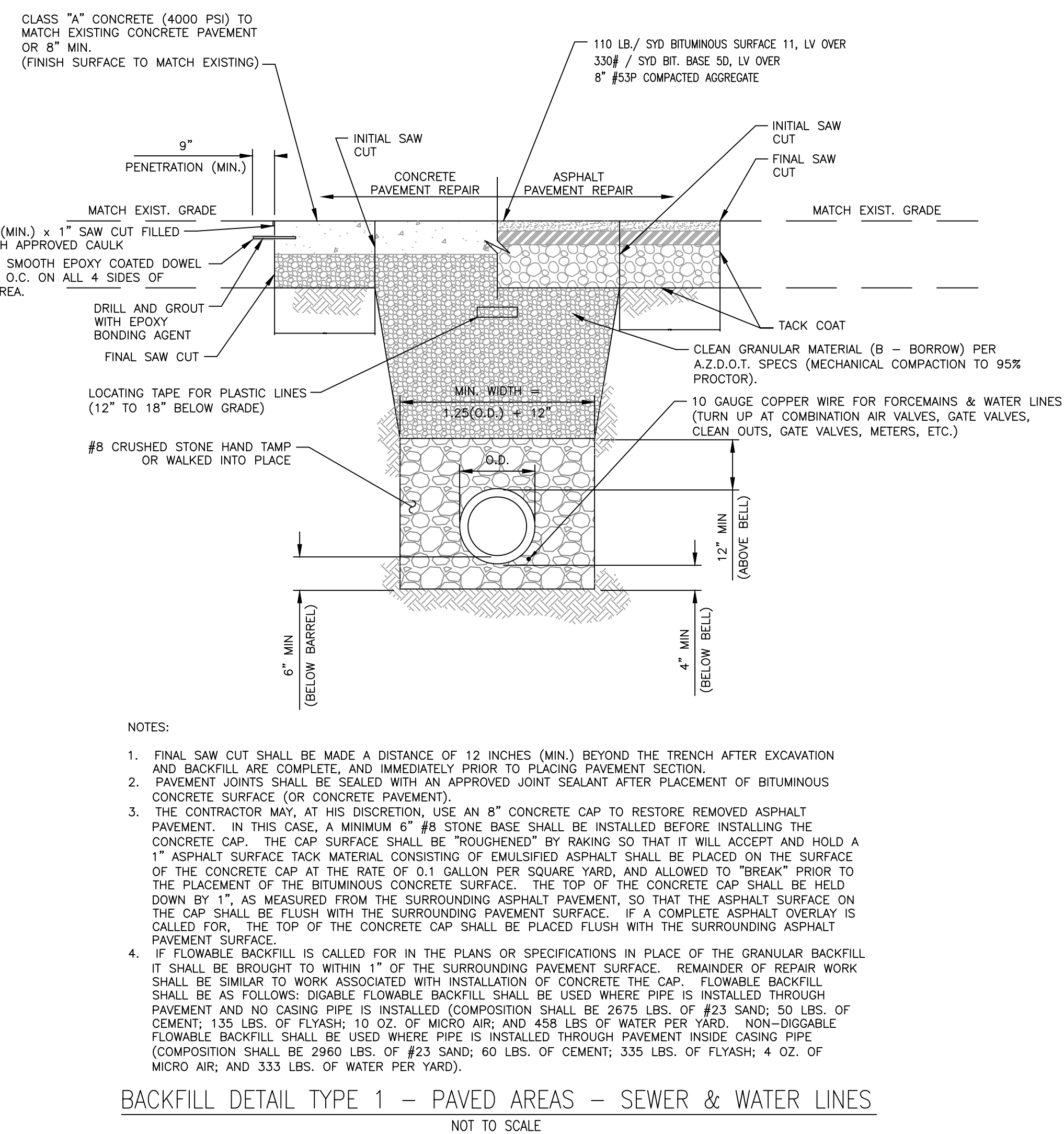
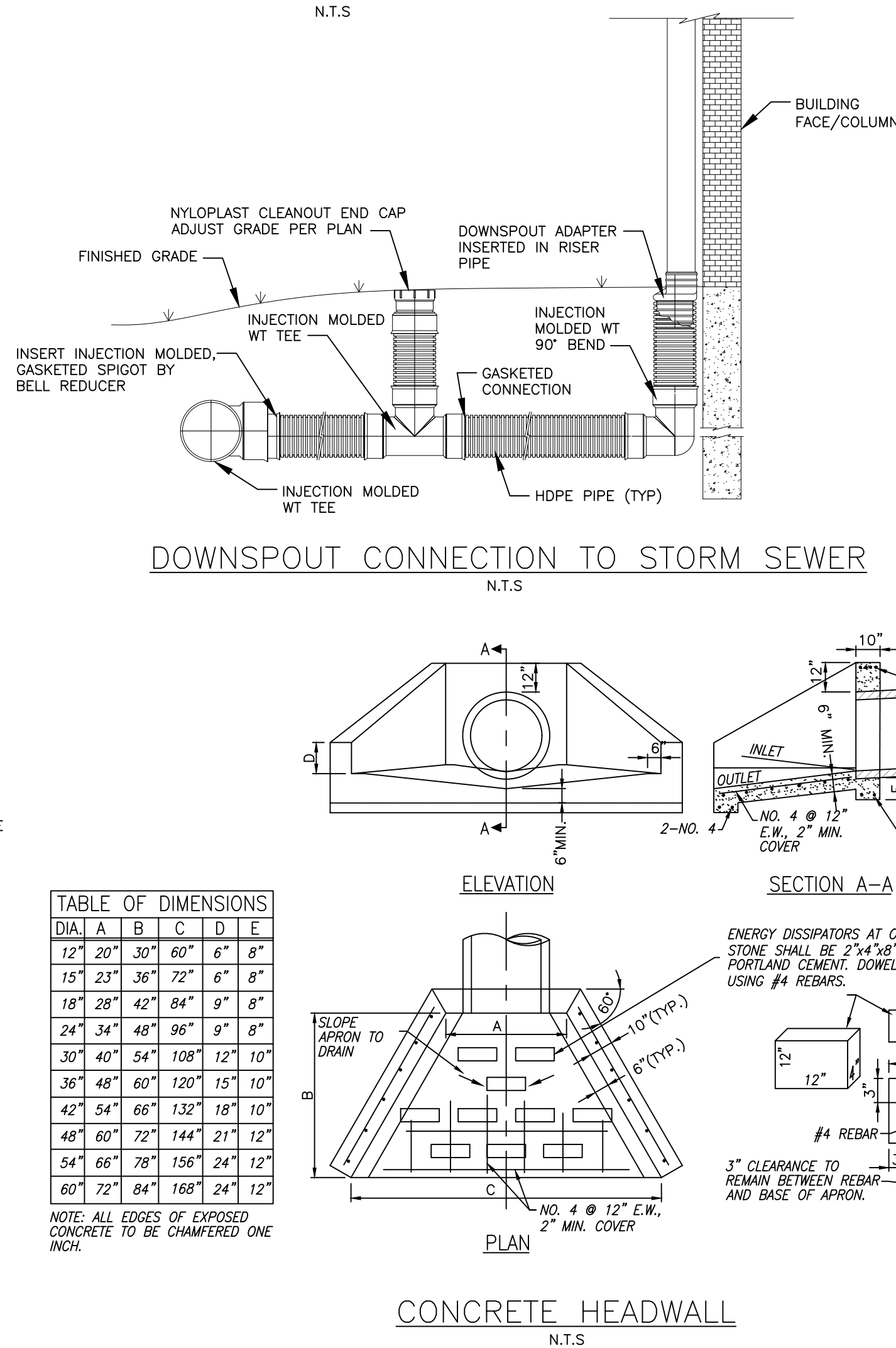
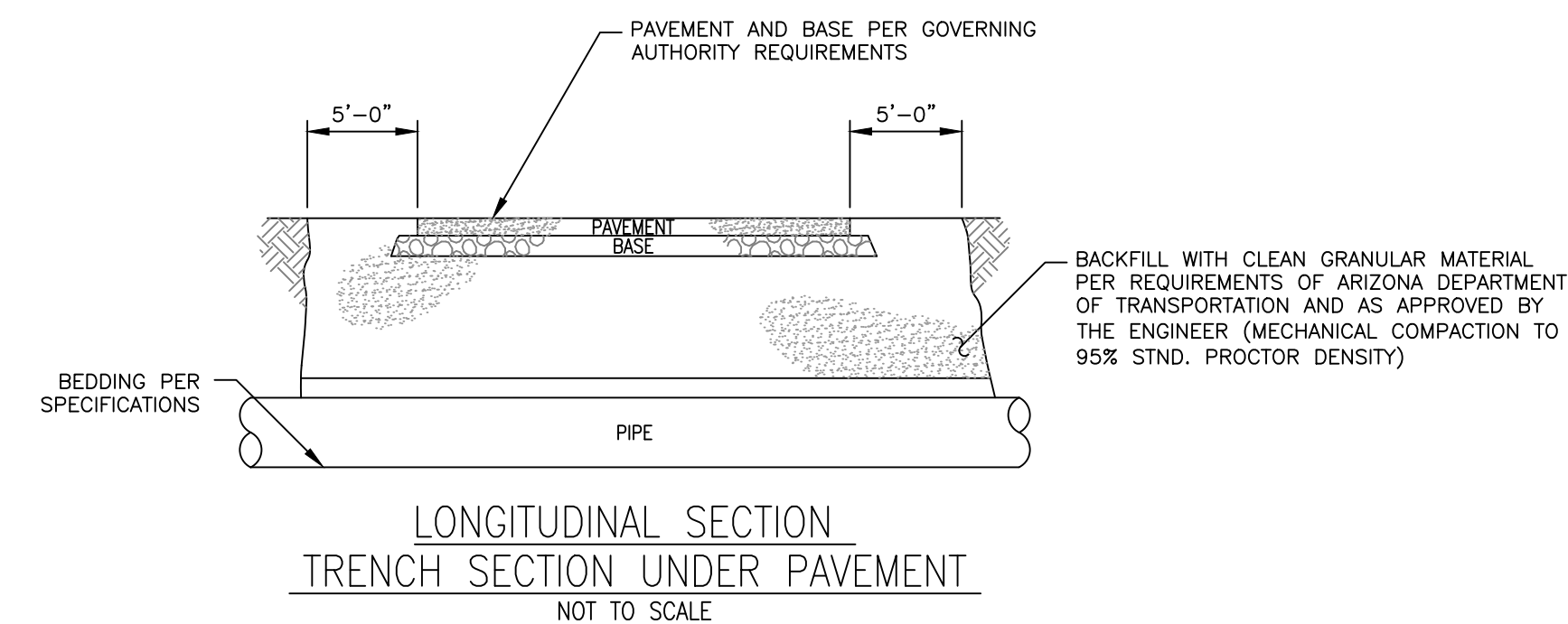
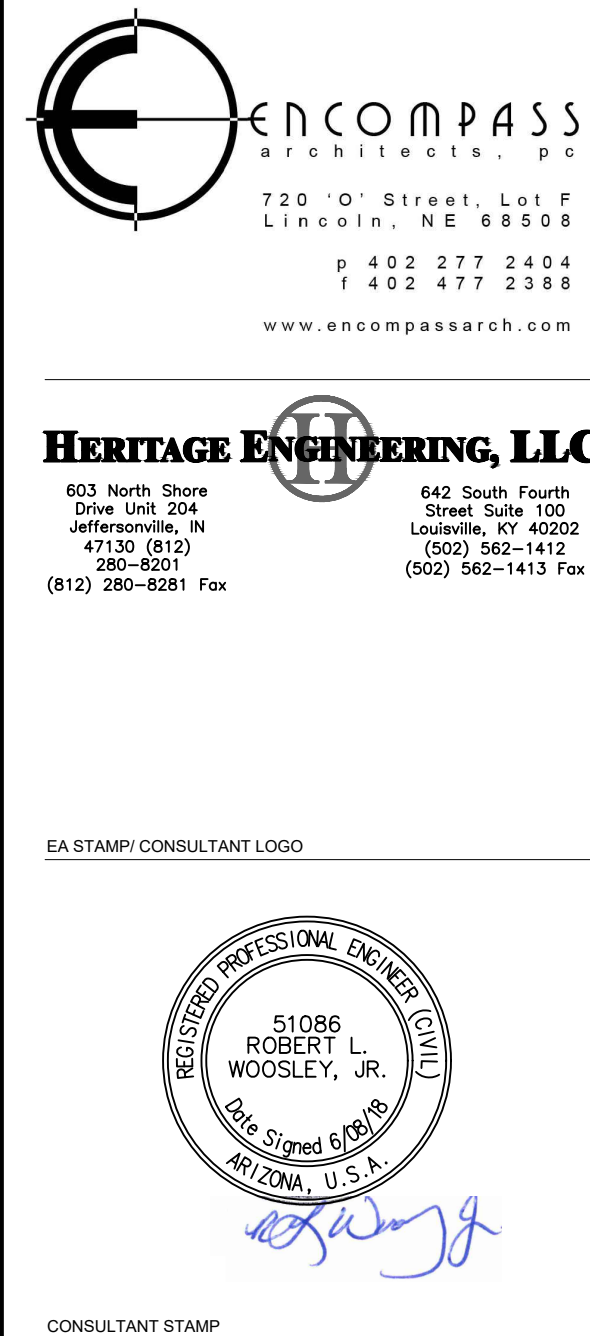
ROAD "A" PAVEMENT SECTION
SCALE: 1"=5'
STA 11+98.50 TO STA 12+82.50



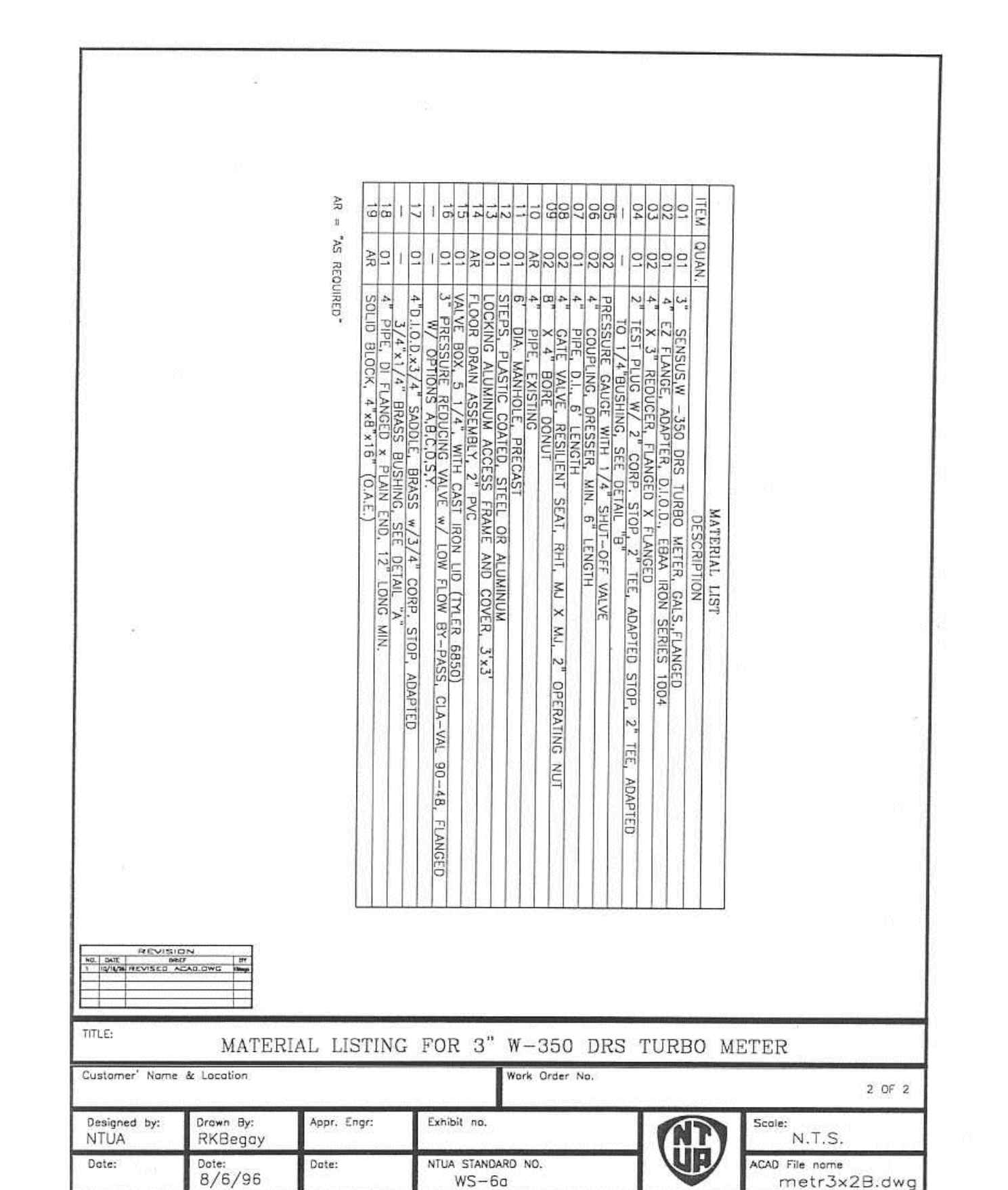
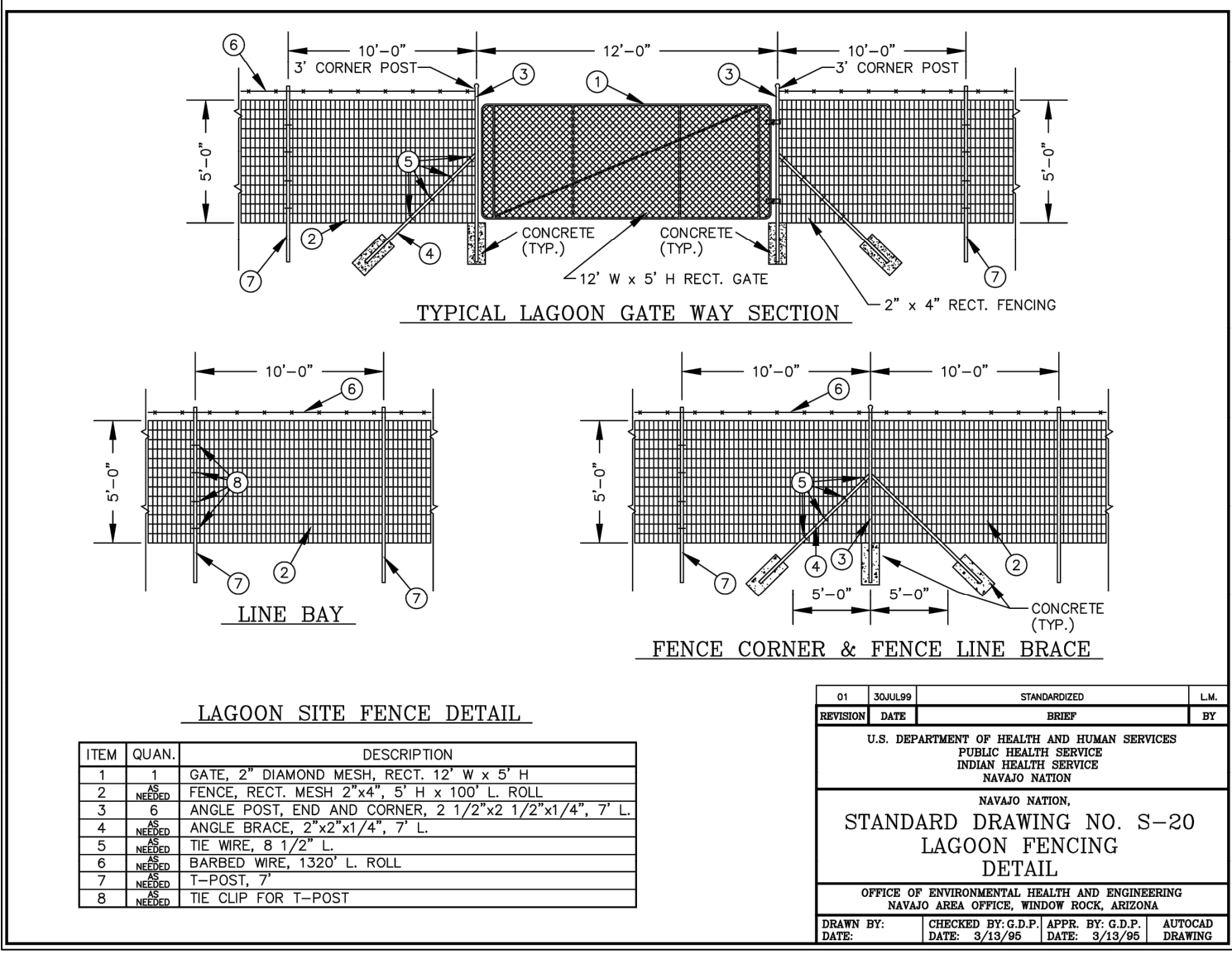
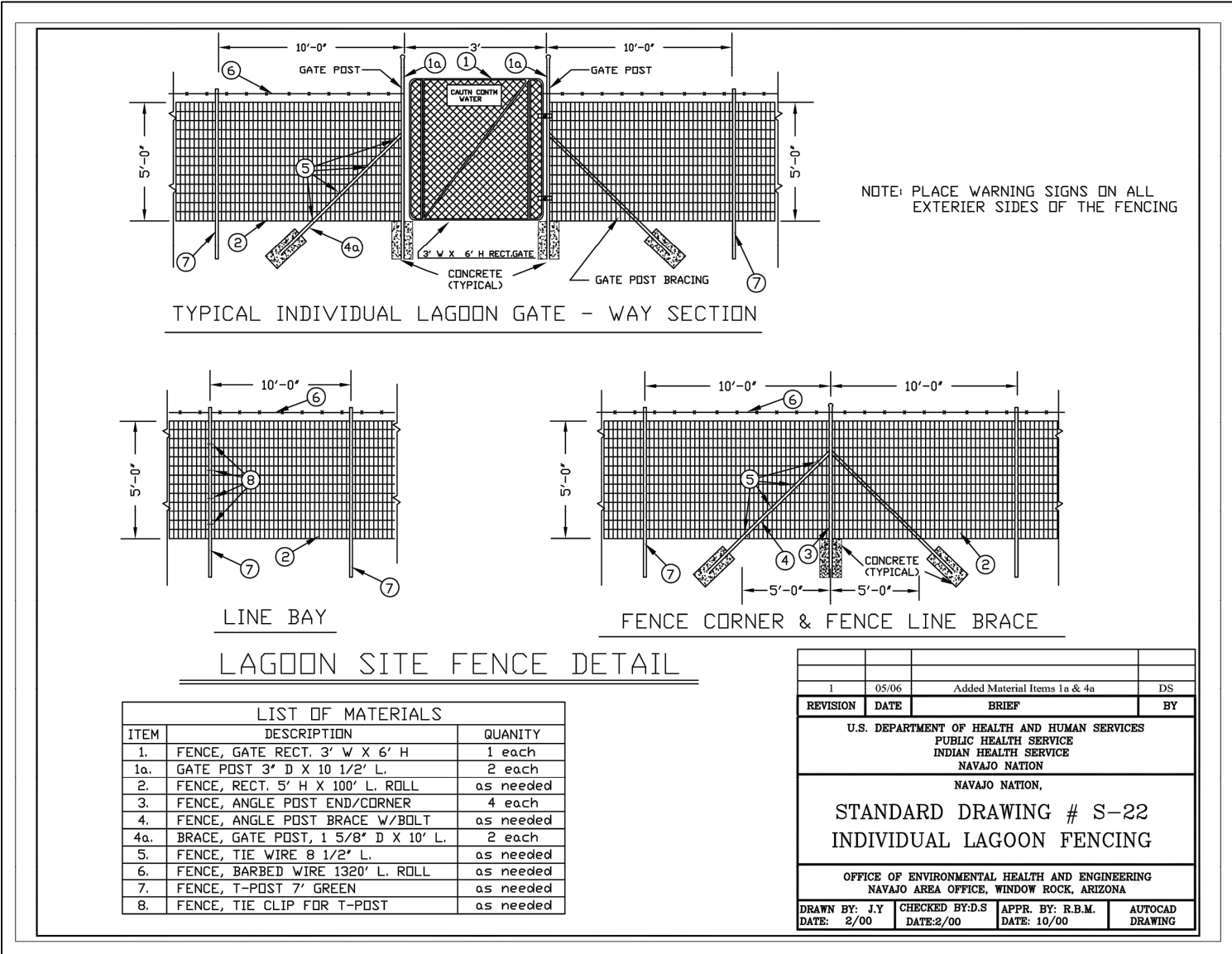
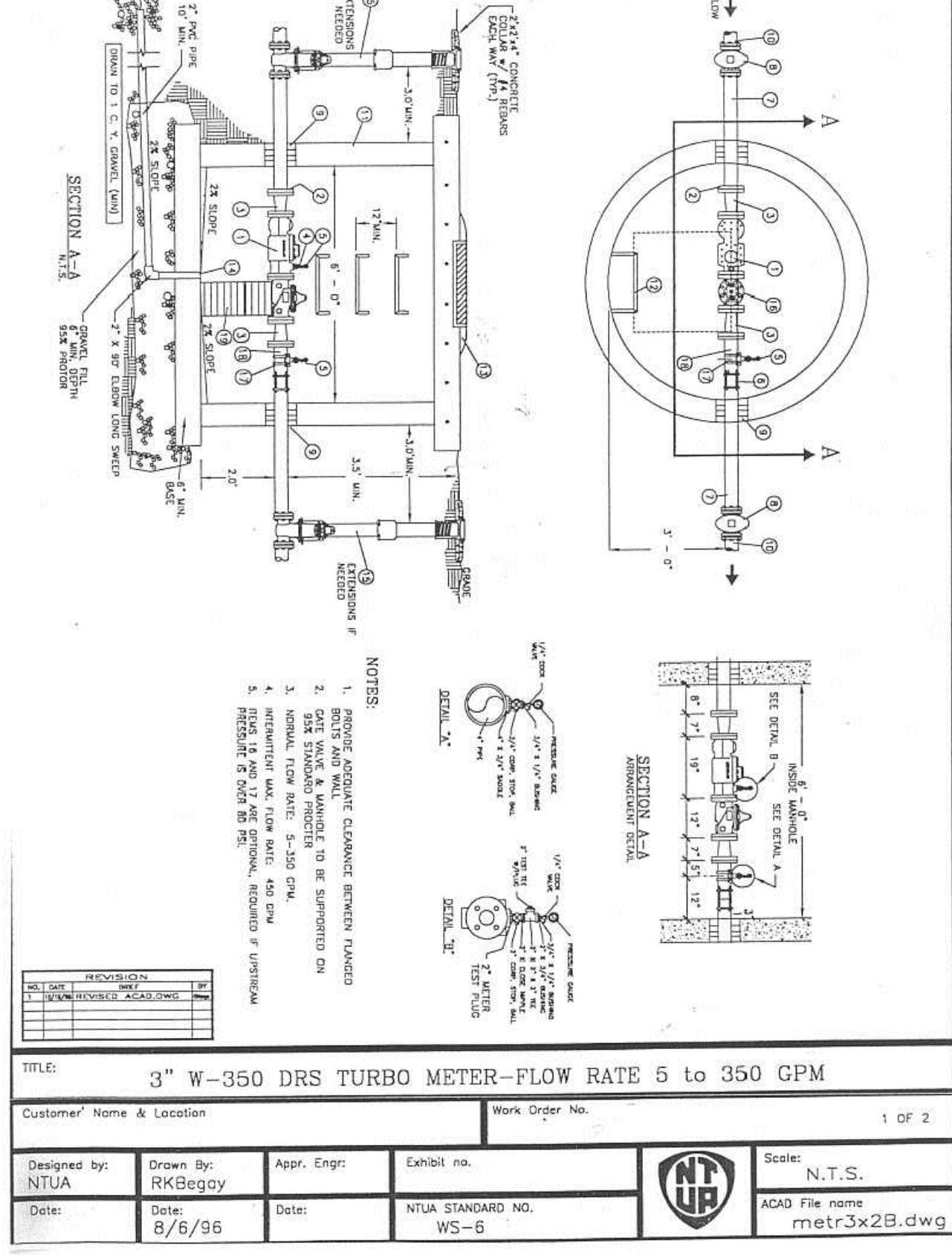
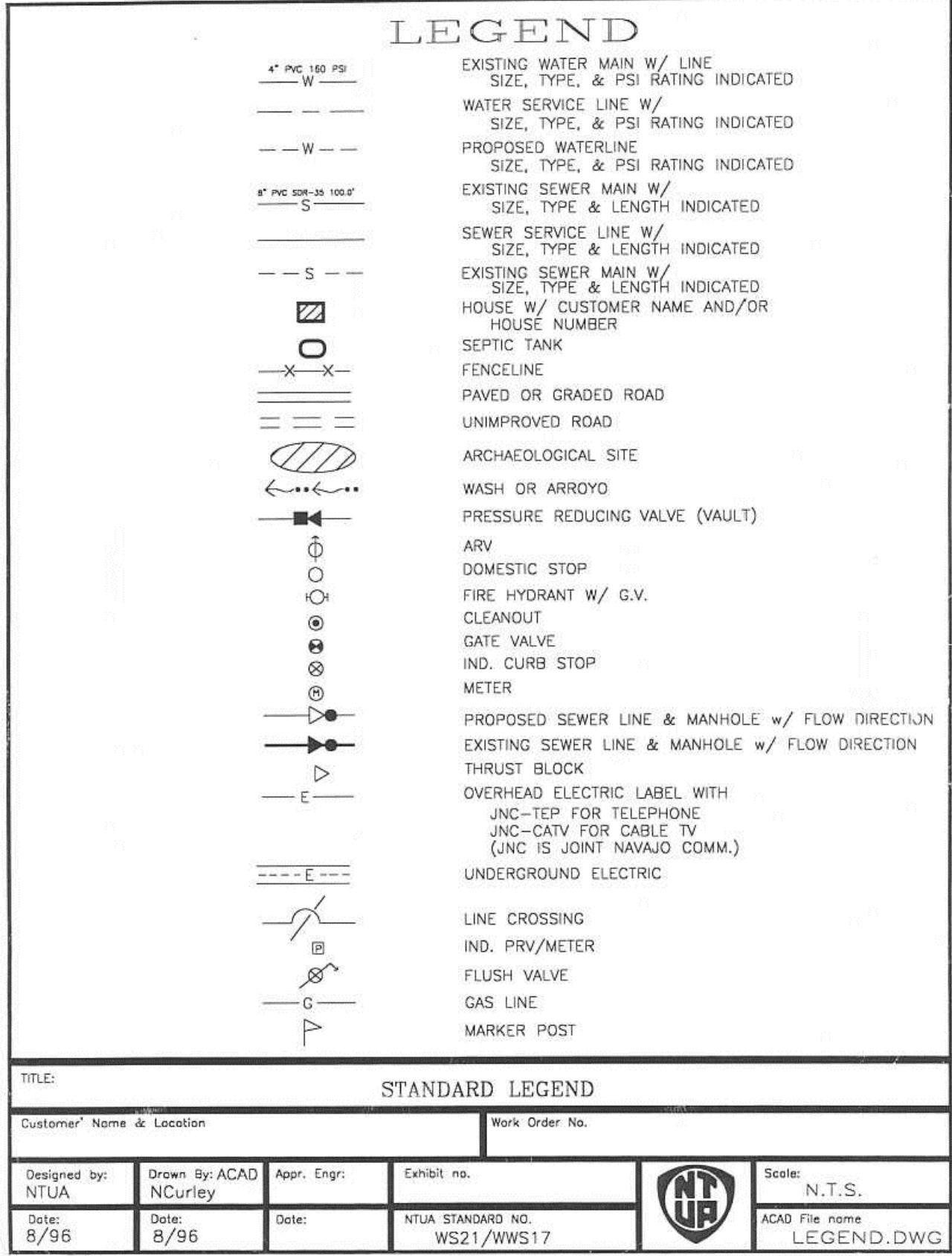
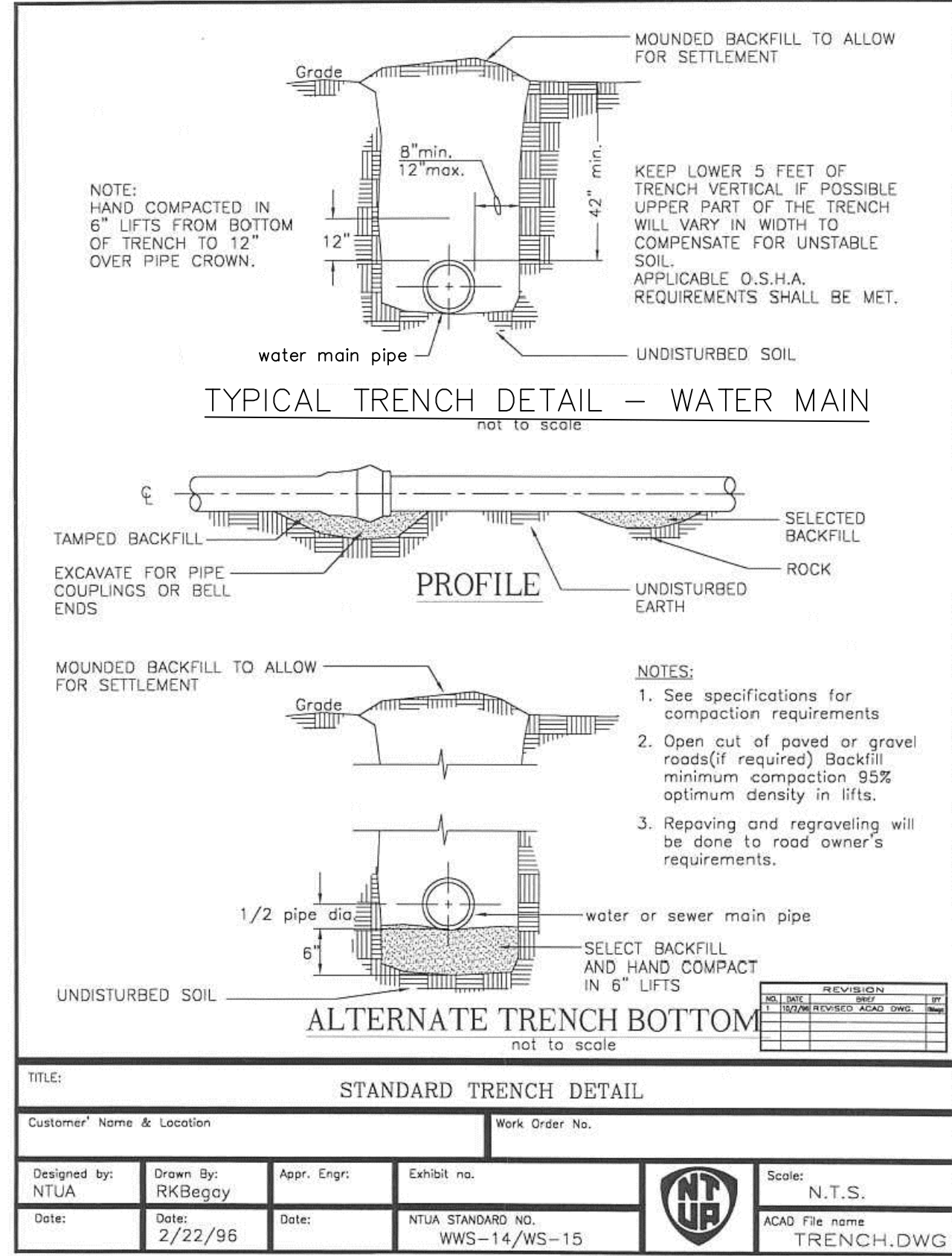
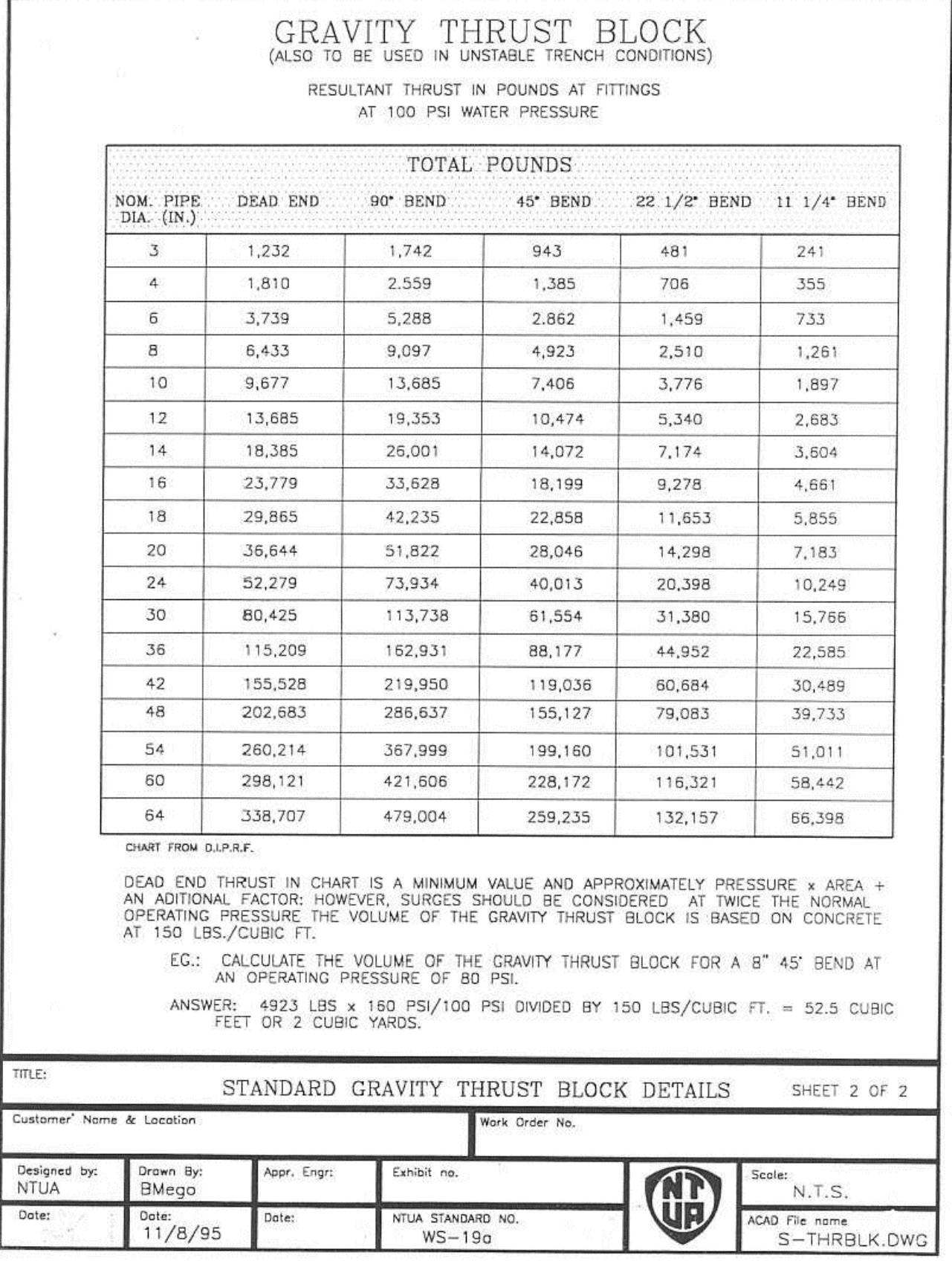
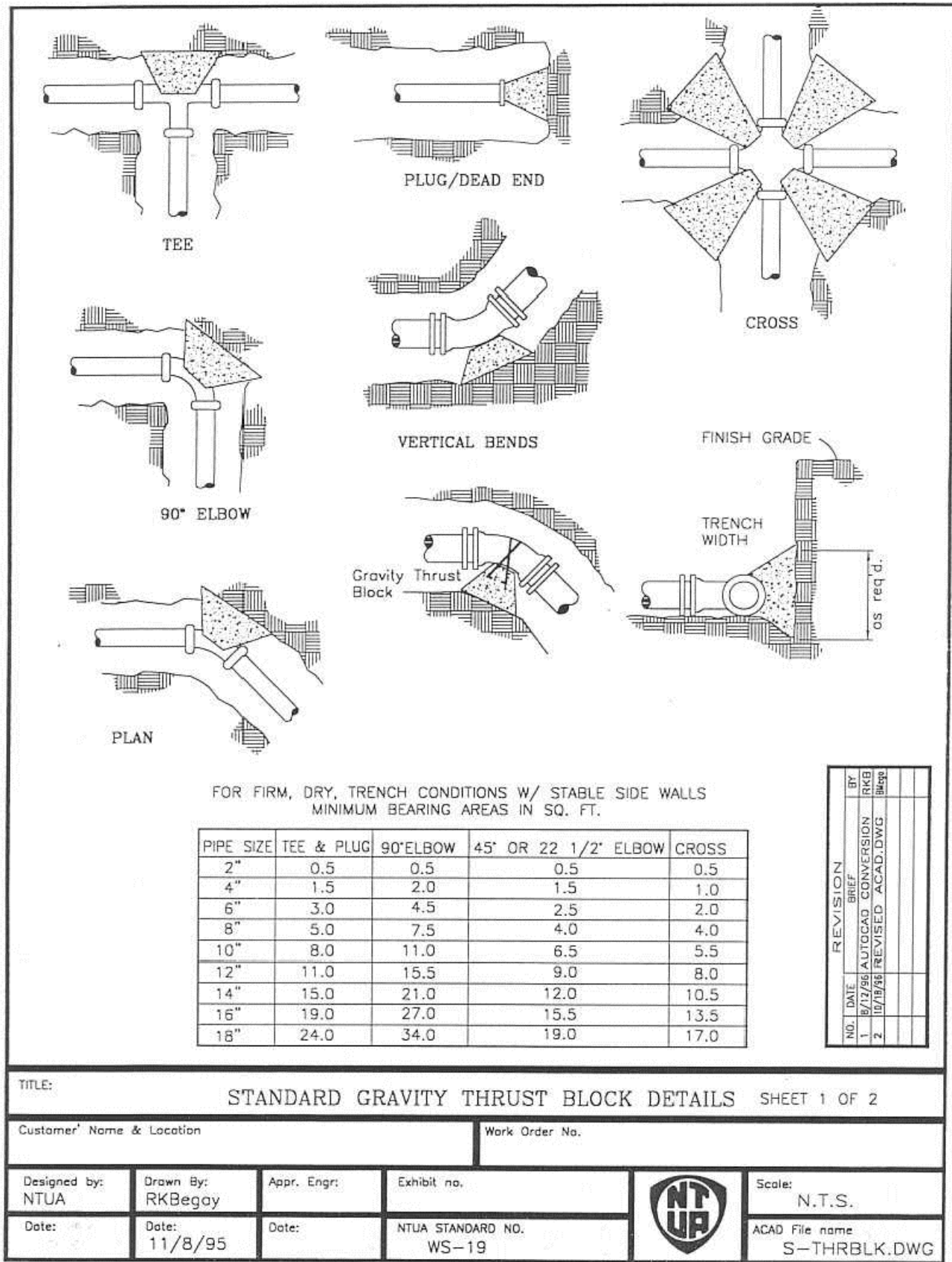
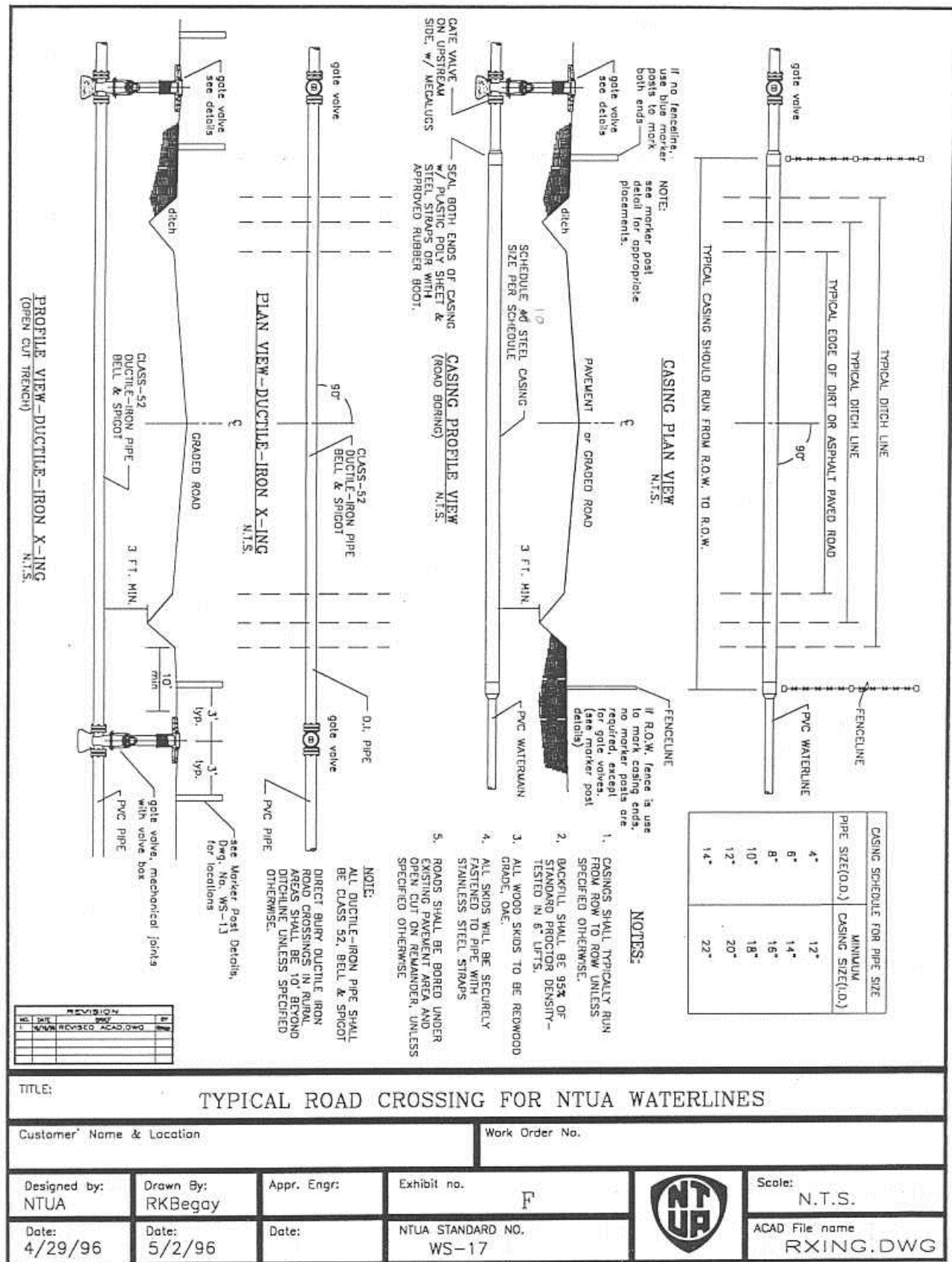
WIDE SINGLE LEAF GATE

NARROW SINGLE LEAF GATE









GENERAL LANDSCAPE NOTES:

1. The Landscape Architect, or his representative, reserve the right to refuse any plant materials he deems unacceptable. (See specifications)

2. For clarification of discrepancies between the drawings and the site, it should be brought to the attention of the Landscape Architect prior to beginning work.

3. The Landscape Architect is to approve any and all substitutions.

4. Plant list provided for contractor's convenience only. Plans take precedence.

5. Double stake all 15 gallon and 24" box trees as required.

6. Exposed soil in planters shall be raked and free from rocks, roots, weeds, etc.
7. Finished grade in ground cover and granite areas shall be 1" below adjacent header board, paving, curbing, etc.

8. Plants shall be quality material having a growth habit that is normal for the species and be sound, vigorous, healthy, and free from insects and injury.

9. Ground cover and/or decomposed granite shall extend under shrubs unless noted.

10. After all work is completed, the contractor shall remove all materials not incorporated in the Scope of Work from the job site.

11. Grading shall include all excavation, settlement, handling, import, distribution, transportation, and disposal necessary to bring ground to finish grade as shown on the civil and landscape plans.
12. All earthwork is to be done so that all water drains away from all structures.

13. All underground conduits and utilities are to be located before digging. Call Navajo Tribal Utility Authority at 1-800-528-5011.

14. All plant material to be guaranteed for a period of eighteen (18) months after final acceptance.

15. Landscape Contractor is responsible for final grading on all landscaped areas.

16. Backfill planting soil for all native species, cacti and succulents to be existing native soil. A planting mix of 1/3 mulch, 2/3 native soil mixed thoroughly is to be used as plant backfill for non-native or exotic species.
17. In the event of major discrepancies between the plans and field conditions, contractor shall notify the Landscape Architect immediately. Allow a minimum of forty-eight (48) hours between notification of Landscape Architect and proceeding with construction of irrigation system.

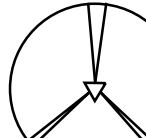
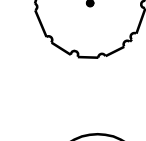
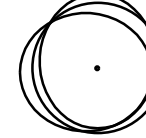
18. All finished granite areas are to be 1" below all sidewalks and curbs.

19. Test drainage of plant beds and pits by filling with water. Conditions permitting the retention of water in locations for more than twenty-four (24) hours shall be brought to the attention of the LA prior to any planting.

20. Contractor is responsible for providing sleeves to all landscape areas regardless whether they are shown on plans or not. Refer to sleeving schedule for size and quantity. If doubt or discrepancy exists request clarification from LA in writing.
21. Refer to Specifications for Plants that are considered to be Invasive and should NOT be utilized on this project.

LANDSCAPE LEGEND

Supply and install the following plant material. Landscape designer to field verify location prior to planting. All plant material to meet A.N.A. specifications and be of sound health and appearance

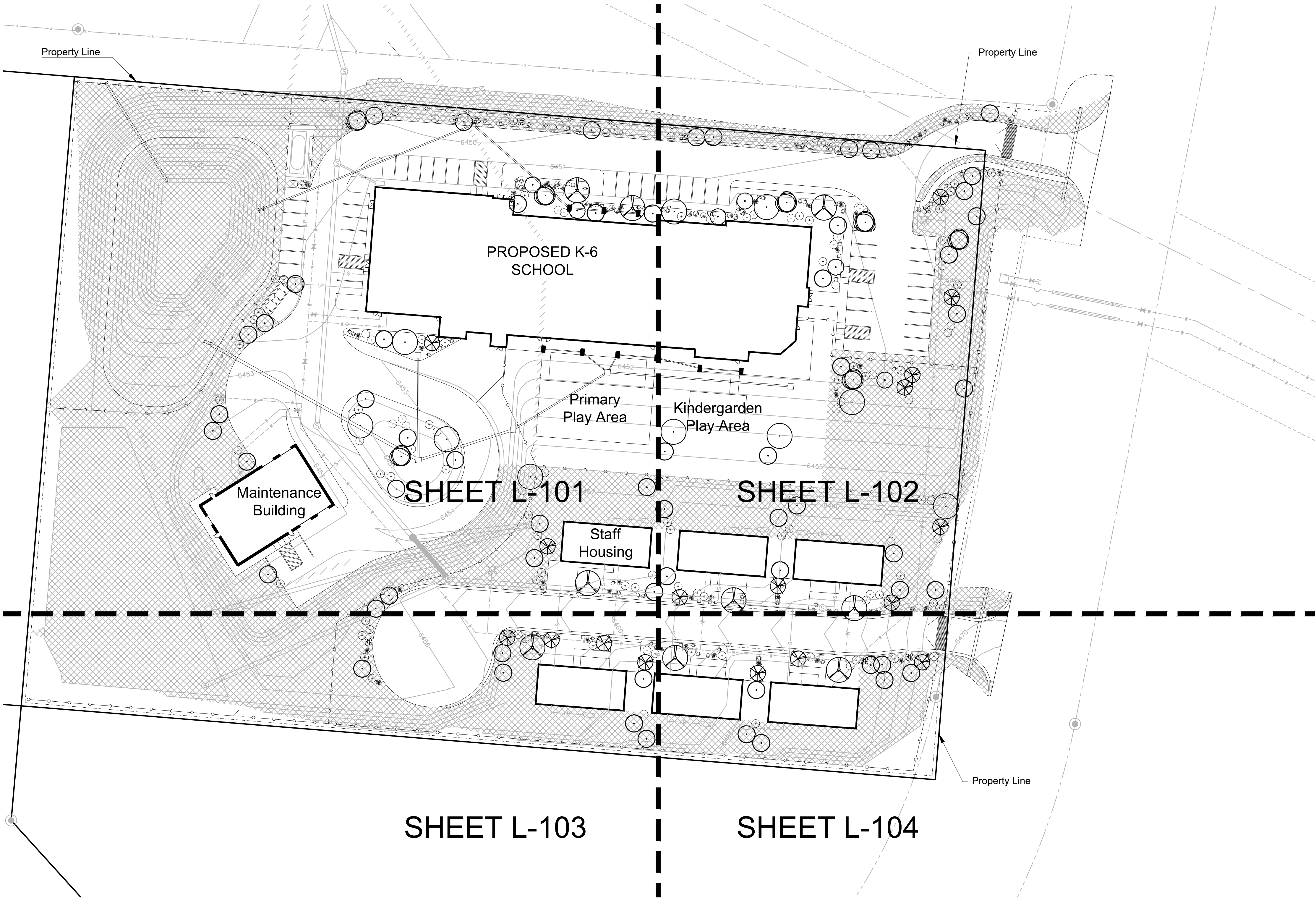
TREES	SIZE	QTY
 <i>Celtis reticulata</i> Netleaf Hackberry	Multi 36" Box	15
 <i>Celtis reticulata</i> Netleaf Hackberry	Multi 24" Box	12
 <i>Forestiera neomexicana</i> New Mexico Privet	Multi 24" Box	9
 <i>Salix exigua</i> Coyote Willow	Standard 24" Box	18
 <i>Pinus edulis</i> Pinon Pine	Standard 24" Box	8
 <i>Juniperus monosperma</i> One Seed Juniper	Standard 24" Box	68
SHRUBS/ ACCENTS	SIZE	QTY
 <i>Ericamerica nauseosa</i> Rubber Rabbitbrush	5 Gallon	157
 <i>Ephedra nevadensis</i> Mormon Tea	5 Gallon	53
 <i>Perovskia atriplicifolia</i> Russian Sage	5 Gallon	48
 <i>Penstemon pseudospectabilis</i> Beardtounge	5 Gallon	57
 <i>Salvia greggii 'Furman's Red'</i> Furman's Red	5 Gallon	57
 <i>Optunia erinacea</i> Grizzlybear Pricklypear	5 Gallon	10

GROUND COVER/ HARDSCAPE MATERIAL QTY
DG(TYP.) Decomposed Granite - 3/4" Screened - Phoenix Rose or approved equal - 3" in planting areas as noted.

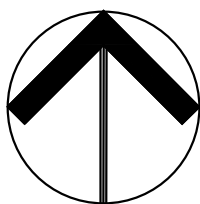
SEED MIX - A		
Botanical Name	Common Name	lbs/arce
<i>Artemisia ludoviciana</i>	Silver Sage	1.0
<i>Atiplex canescens</i>	Fourwing Saltbush	1.0
<i>Ericamerica nauseosa</i>	Rubber Rabbitbrush	2.0
<i>Dalea frutescens</i>	Black Indigobush	1.0
<i>Ephedra nevadensis</i>	Mormon Tea	2.0
<i>Fallugia paradox</i>	Apache Plume	1.0
<i>Gallardia pinnatifida</i>	Blanketflower	1.0
<i>Garilaridia pulchella</i>	Firewheel	1.0
<i>Guara linheimeri</i>	Pink Guara	1.0
<i>Melampodium leucanthum</i>	Blackfoot Daisy	1.0
<i>Oenothera berlandieri</i>	Mexican Evening Primrose	1.0
<i>Sphaeralcea ambigua</i>	Globemallow	2.0
Cover Crop		
<i>Triticum aestivum</i> x secale cereal	Quickguard Sterile Triticale	8.0
Total lbs/acre		23.0

SHEET KEY

- L-100 SITE PLAN - LANDSCAPE
L-101 LANDSCAPE PLAN
L-102 LANDSCAPE PLAN
L-103 LANDSCAPE PLAN
L-104 LANDSCAPE PLAN
L-301 DETAILS



1 SITE PLAN - LANDSCAPE
SCALE: 1" = 40'-0"



EA STAMP/ CONSULTANT LOGO



Cove Day School
VOLUME 1 OF 4

DOI, BIA, NRO

Highway 13
Red Valley, AZ 85444

8 JUNE 2018

Project No. 15-2200

100%
CONSTRUCTION
DOCUMENTS

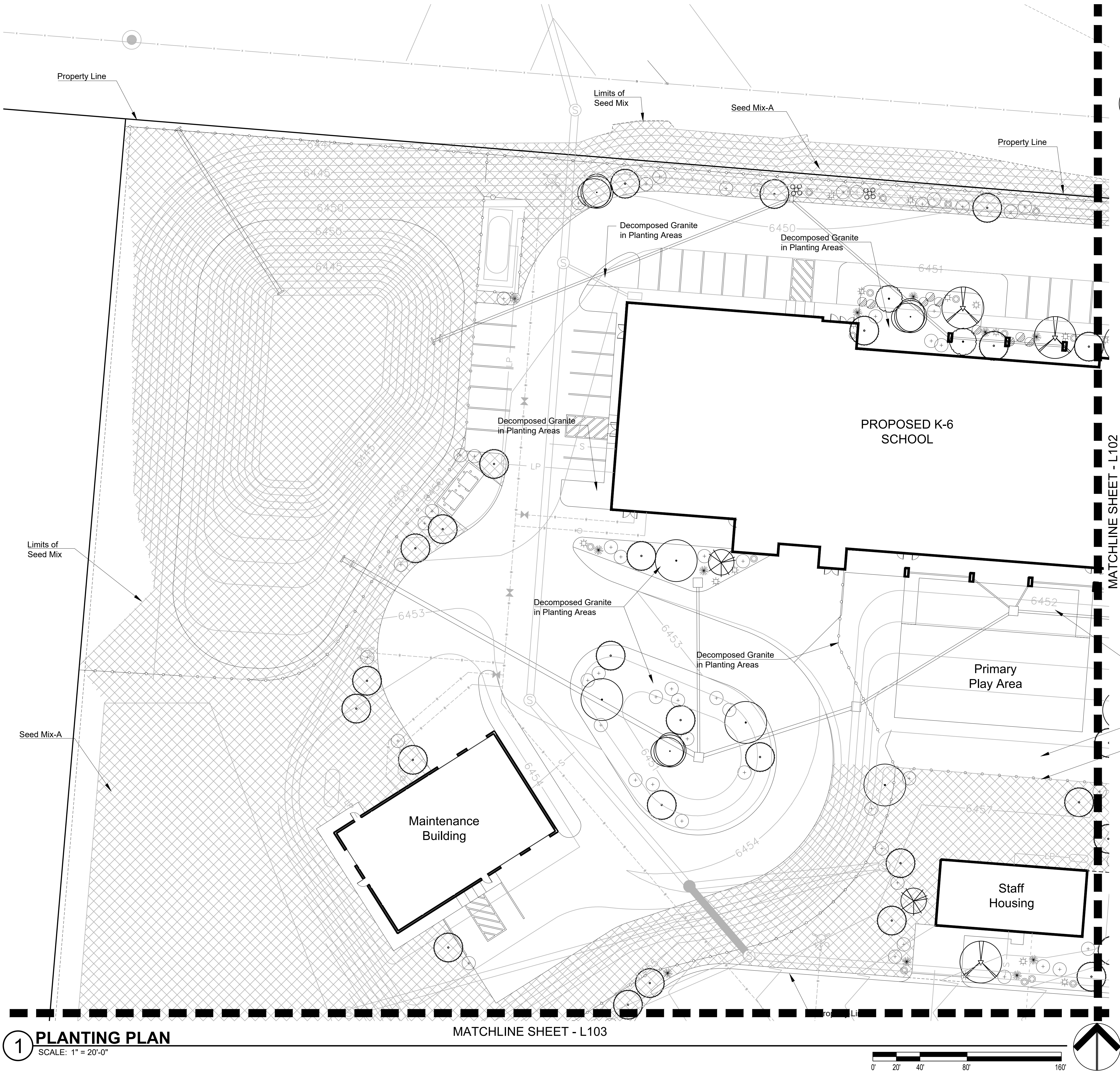
REVISIONS

Revision Number	Revision Description	Revision Date
1	DSRM Comments	01/22/18
2	DSRM Comments	05/31/18

Site Plan
Landscape

Drawn By: AHL Checked By: JSR
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L100



LANDSCAPE LEGEND

Supply and install the following plant material. Landscape designer to field verify location prior to planting. All plant material to meet A.N.A. specifications and be of sound health and appearance

TREES	SIZE	QTY
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 36" Box	15
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 24" Box	12
<i>Forestiera neomexicana</i> New Mexico Privet	Multi 24" Box	9
<i>Salix exigua</i> Coyote Willow	Standard 24" Box	18
<i>Pinus edulis</i> Pinion Pine	Standard 24" Box	8
<i>Juniperus monosperma</i> One Seed Juniper	Standard 24" Box	68

SHRUBS/ ACCENTS	SIZE	QTY
<i>Ericamerica nauseosa</i> Rubber Rabbitbrush	5 Gallon	157
<i>Ephedra nevadensis</i> Mormon Tea	5 Gallon	53
<i>Perovskia atriplicifolia</i> Russian Sage	5 Gallon	48
<i>Penstemon pseudospectabilis</i> Beardtounge	5 Gallon	57
<i>Salvia greggii</i> 'Furman's Red' Furman's Red	5 Gallon	57
<i>Opuntia erinacea</i> Grizzlybear Pricklypear	5 Gallon	10

GROUND COVER/ HARDSCAPE MATERIAL	QTY
Decomposed Granite - 3/4" Screened - Phoenix Rose or approved equal - 3" in planting areas as noted.	

SEED MIX - A		
Botanical Name	Common Name	lbs/acre
<i>Artemisia ludoviciana</i>	Silver Sage	1.0
<i>Atiplex canescens</i>	Fourwing Saltbush	1.0
<i>Ericamerica nauseosa</i>	Rubber Rabbitbrush	2.0
<i>Dalea frutescens</i>	Black Indigobush	1.0
<i>Ephedra nevadensis</i>	Mormon Tea	2.0
<i>Fallugia paradox</i>	Apache Plume	1.0
<i>Gallardia pinnatifida</i>	Blanketflower	1.0
<i>Garlandia pulchella</i>	Firewheel	1.0
<i>Guara linheimeri</i>	Pink Guara	1.0
<i>Melampodium leucanthum</i>	Blackfoot Daisy	1.0
<i>Oenothera berlandieri</i>	Mexican Evening Primrose	1.0
<i>Sphaeralcea ambigua</i>	Globemallow	2.0
Cover Crop		
<i>Triticum aestivum</i> x secale cereal	Quickguard Sterile Triticale	8.0
Total lbs/acre		23.0

SHEET KEY

- L-100 SITE PLAN - LANDSCAPE
- L-101 LANDSCAPE PLAN
- L-102 LANDSCAPE PLAN
- L-103 LANDSCAPE PLAN
- L-104 LANDSCAPE PLAN
- L-301 DETAILS

720 'O' Street, Lot F
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EA STAMP/ CONSULTANT LOGO

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Phoenix, AZ 85051
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Cove Day School

VOLUME 1 OF 4

DOI, BIA, NRO

Highway 13
Red Valley, AZ 68544

8 JUNE 2018

Project No. 15-2200

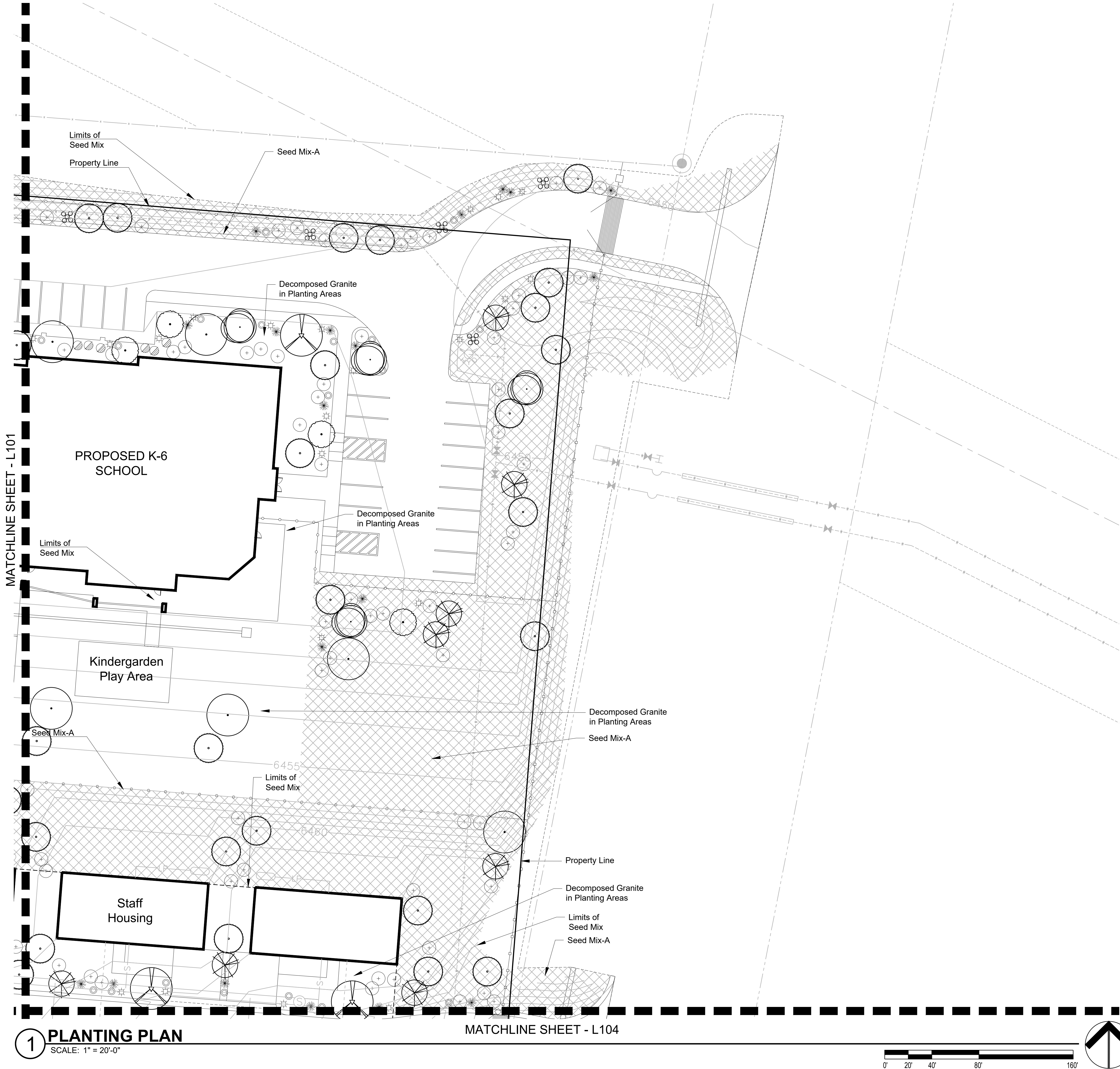
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CONSTRUCTION
DOCUMENTS

REVISIONS		
Revision Number	Revision Description	Revision Date
1	DSRM Comments	01/22/18
2	DSRM Comments	05/31/18

Landscape
Plan

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L101



LANDSCAPE LEGEND

Supply and install the following plant material. Landscape designer to field verify location prior to planting. All plant material to meet A.N.A. specifications and be of sound health and appearance

TREES	SIZE	QTY
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 36" Box	15
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 24" Box	12
<i>Forestiera neomexicana</i> New Mexico Privet	Multi 24" Box	9
<i>Salix exigua</i> Coyote Willow	Standard 24" Box	18
<i>Pinus edulis</i> Pinion Pine	Standard 24" Box	8
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SHRUBS/ ACCENTS	SIZE	QTY
<i>Ericamerica nauseosa</i> Rubber Rabbitbrush	5 Gallon	157
<i>Ephedra nevadensis</i> Mormon Tea	5 Gallon	53
<i>Perovskia atriplicifolia</i> Russian Sage	5 Gallon	48
<i>Penstemon pseudospectabilis</i> Beardtounge	5 Gallon	57
<i>Salvia greggii 'Furman's Red'</i> Furman's Red	5 Gallon	57
<i>Opuntia erinacea</i> Grizzlybear Pricklypear	5 Gallon	10

GROUND COVER/ HARDSCAPE MATERIAL QTY
Decomposed Granite - 3/4" Screened - Phoenix Rose
or approved equal - 3" in planting areas as noted.

SEED MIX - A		
Botanical Name	Common Name	lbs/acre
<i>Artemisia ludoviciana</i>	Silver Sage	1.0
<i>Atiplex canescens</i>	Fourwing Saltbush	1.0
<i>Ericamerica nauscosa</i>	Rubber Rabbitbrush	2.0
<i>Dalea frutescens</i>	Black Indigobush	1.0
<i>Ephedra nevadensis</i>	Mormon Tea	2.0
<i>Fallugia paradox</i>	Apache Plume	1.0
<i>Gallardia pinnatifida</i>	Blanketflower	1.0
<i>Garlanda pulchella</i>	Firewheel	1.0
<i>Guara linheimeri</i>	Pink Guara	1.0
<i>Melampodium leucanthum</i>	Blackfoot Daisy	1.0
<i>Oenothera berlandieri</i>	Mexican Evening Primrose	1.0
<i>Sphaeralcea ambigua</i>	Globemallow	2.0
Cover Crop		
<i>Triticum aestivum x secale cereal</i>	Quickguard Sterile Triticale	8.0
	Total lbs/acre	23.0

SHEET KEY

L-100 SITE PLAN - LANDSCAPE
L-101 LANDSCAPE PLAN
L-102 LANDSCAPE PLAN
L-103 LANDSCAPE PLAN
L-104 LANDSCAPE PLAN
L-301 DETAILS



Cove Day School

VOLUME 1 OF 4

DOI, BIA, NRO

Highway 13
Red Valley, AZ 68544

8 JUNE 2018

Project No. 15-2200

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CONSTRUCTION
DOCUMENTS

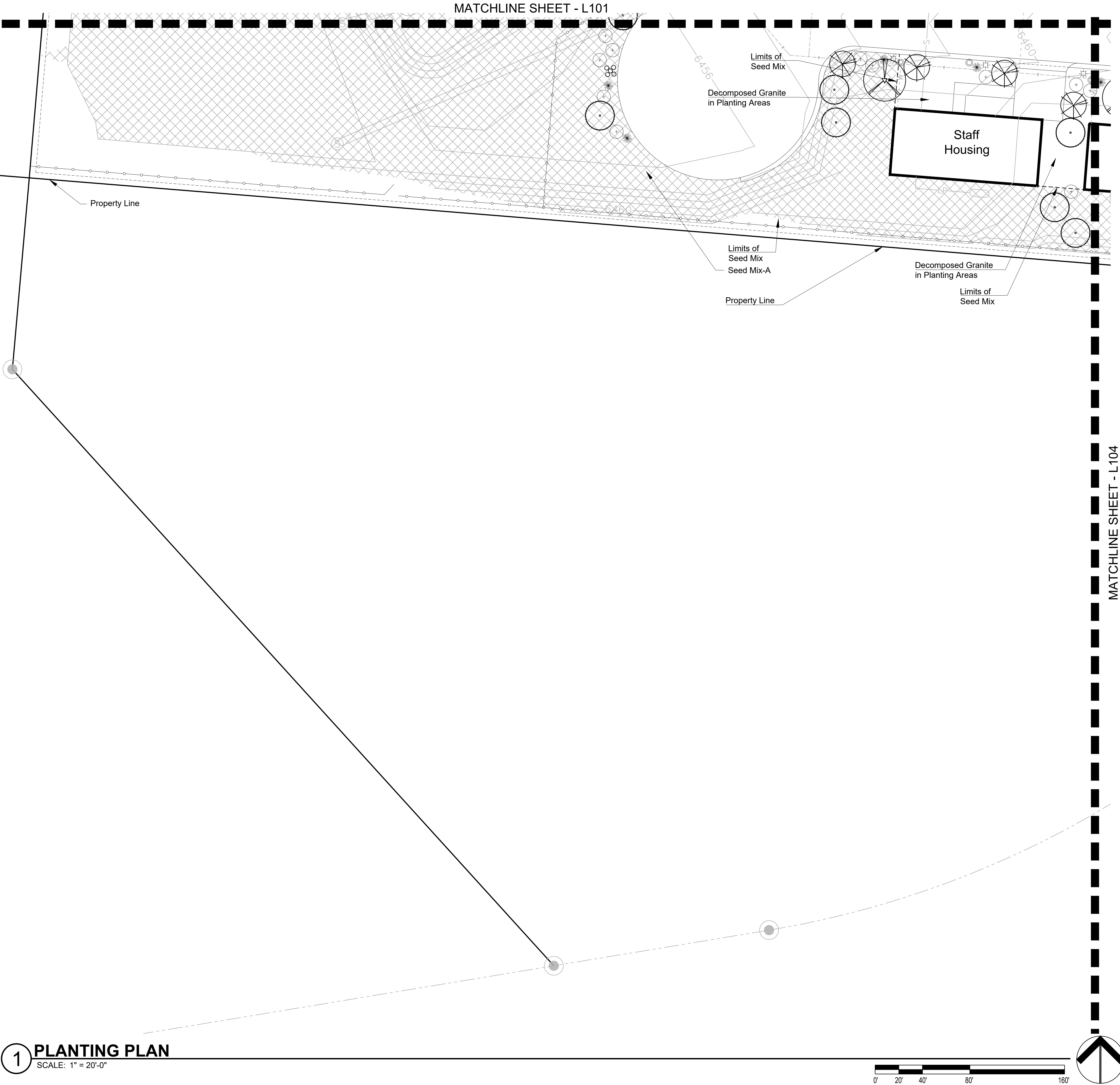
REVISIONS

Revision Number	Revision Description	Revision Date
1	DSRM Comments	01/22/18
2	DSRM Comments	05/31/18

Landscape
Plan

Drawn By: AHL Checked By: JSR
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L102



1 PLANTING PLAN
SCALE: 1" = 20'-0"

LANDSCAPE LEGEND

Supply and install the following plant material.
Landscape designer to field verify location prior to planting. All plant material to meet A.N.A. specifications and be of sound health and appearance

TREES	SIZE	QTY
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 36" Box	15
<i>Celtis reticulata</i> Netleaf Hackberry	Multi 24" Box	12
<i>Forestiera neomexicana</i> New Mexico Privet	Multi 24" Box	9
<i>Salix exigua</i> Coyote Willow	Standard 24" Box	18
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SHRUBS/ ACCENTS	SIZE	QTY
<i>Ericamerica nauseosa</i> Rubber Rabbitbrush	5 Gallon	157
<i>Ephedra nevadensis</i> Mormon Tea	5 Gallon	53
<i>Perovskia atriplicifolia</i> Russian Sage	5 Gallon	48
<i>Penstemon pseudospectabilis</i> Beardtounge	5 Gallon	57
<i>Salvia greggii 'Furman's Red'</i> Furman's Red	5 Gallon	57
<i>Opuntia erinacea</i> Grizzlybear Pricklypear	5 Gallon	10

GROUND COVER/ HARDSCAPE MATERIAL QTY
DG(TYP.) Decomposed Granite - 3/4" Screened - Phoenix Rose
or approved equal - 3" in planting areas as noted.

SEED MIX - A		
Botanical Name	Common Name	lbs/arce
<i>Artemisia ludoviciana</i>	Silver Sage	1.0
<i>Atriplex canescens</i>	Fourwing Saltbush	1.0
<i>Ericamerica nauseosa</i>	Rubber Rabbitbrush	2.0
<i>Dalea frutescens</i>	Black Indigobush	1.0
<i>Ephedra nevadensis</i>	Mormon Tea	2.0
<i>Fallugia paradox</i>	Apache Plume	1.0
<i>Gallardia pinnatifida</i>	Blanketflower	1.0
<i>Garlandia pulchella</i>	Firewheel	1.0
<i>Guara linheimeri</i>	Pink Guara	1.0
<i>Melampodium leucanthum</i>	Blackfoot Daisy	1.0
<i>Oenothera berlandieri</i>	Mexican Evening Primrose	1.0
<i>Sphaeralcea ambigua</i>	Globemallow	2.0
Cover Crop		
<i>Triticum aestivum</i> x secale cereal	Quickguard Sterile Triticale	8.0
Total lbs/acre		23.0

SHEET KEY

- L-100 SITE PLAN - LANDSCAPE
- L-101 LANDSCAPE PLAN
- L-102 LANDSCAPE PLAN
- L-103 LANDSCAPE PLAN
- L-104 LANDSCAPE PLAN
- L-301 DETAILS



Cove Day School

VOLUME 1 OF 4

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2	DSRM Comments	05/31/18

Landscape
Plan

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L103

