CITY OF SPARKS

MARY WAHL STORM DRAIN RECONSTRUCTION PROJECT

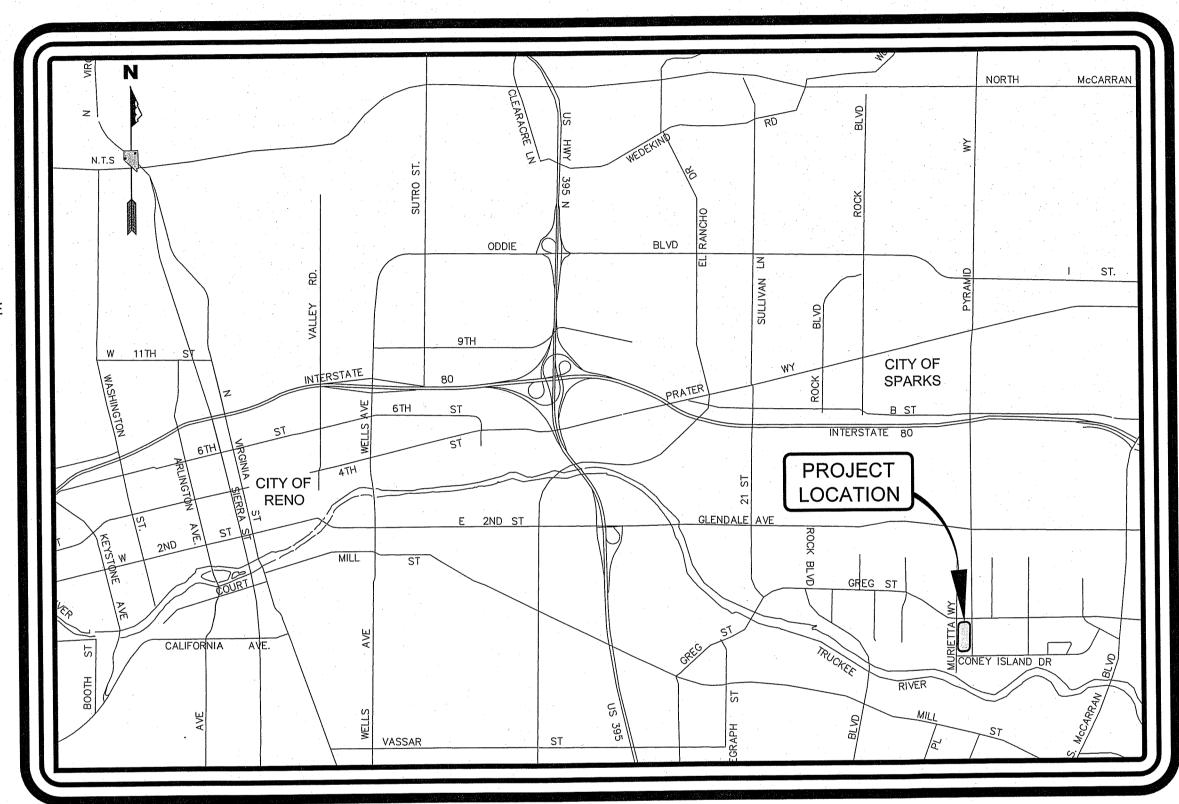
BID NO. 14/15-004 NEVADA PWP# WA-2014-291 SPARKS WASHOE COUNTY NEVADA

ENGINEER:



ARREVIATIONS:

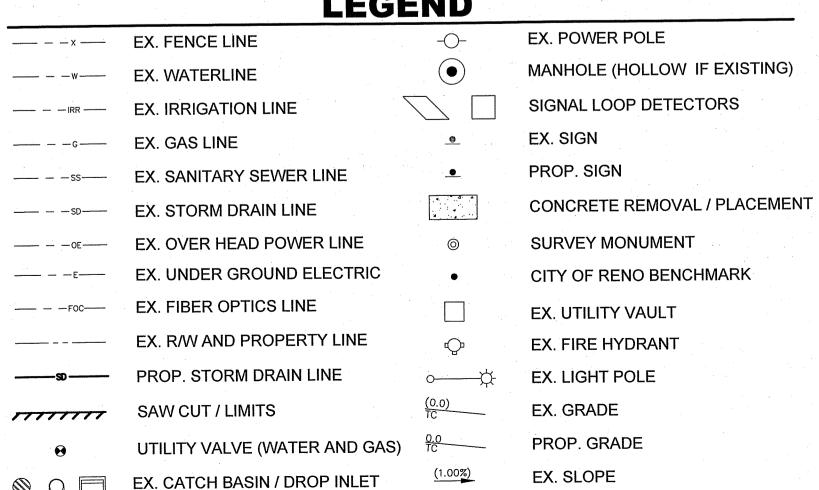
	ADKEVIATION	3 :		
±	APPROXIMATE	МН		MANHOLE
AC		Р		PAD ELEVATION
ACP		PB	1	PULL BOX
BC		PCC		PORTLAND CEMENT CONCRET
BS		PI		POINT OF INTERSECTION
BVC		PL		PROPERTY LINE
CAP		PM		PARCEL MAP
CB		POT		POINT OF TANGENT
CH	CHORD	PRC		POINT OF REVERSE CURVATU
CL	CENTERLINE	PS		PARKING SPACE
CMP	CORRUGATED METAL PIPE	PUE		PUBLIC UTILITY EASEMENT
CONC	CONCRETE	PVC		POLYVINYL CHLORIDE PIPE
CONST	CONSTRUCT	Q		VOLUMETRIC FLOW RATE
CP	CONCRETE PIPE	(R)		RADIAL
CR	CURB RETURN	R		
DET	DETAIL	RCB		REINFORCED CONCRETE BOX
Ø	INSIDE DIAMETER	RCP		REINFORCED CONCRETE PIPE
DI	DROP INLET	REF		REFERENCE
DWY	DRIVEWAY	RET		
E	ELECTRICAL	REQ		REQUIRED
EC	END OF CURVE	RT		RIGHT
EG	EXISTING GRADE	R/W		RIGHT OF WAY
ELEV	ELEVATION	S		SLOPE
EVC	END OF VERTICAL CURVE	SD		STORM DRAIN
(E)	EXISTING	SDMH		STORM DRAIN MANHOLE
ÈX	EXISTING	SHT	·	SHEET
EXIST		SS		SANITARY SEWER
FES	FLARED END SECTION	STA		
FF	FINISHED FLOOR	SUB		
FFC	FRONT FACE OF CURB	SW		SIDEWALK
FG	FINISHED GRADE	T		TANGENT
FH	FIRE HYDRANT	TEL		TELEPHONE
FL	FLOW LINE	TBC		TOP BACK OF CURB
G	GAS	TC		TOP OF CURB
GB	GRADE BREAK	TP		TEST PIT
HORIZ	HORIZONTAL	TYP		TYPICAL
HPS	HANDICAP SPACE	VC		VERTICAL CURVE
HS	HOUSE SERVICE	VG	,	VALLEY GUTTER
IE	INVERT ELEVATION	VERT		VERTICAL
INT	INTERSECTION	VPI		VERTICAL POINT
L	LENGTH			OF INTERSECTION
. LF	LINEAL FEET	W		WATER
	LID OF CUITTED	1011		\A/ITLI



VICINITY MAP N.T.S

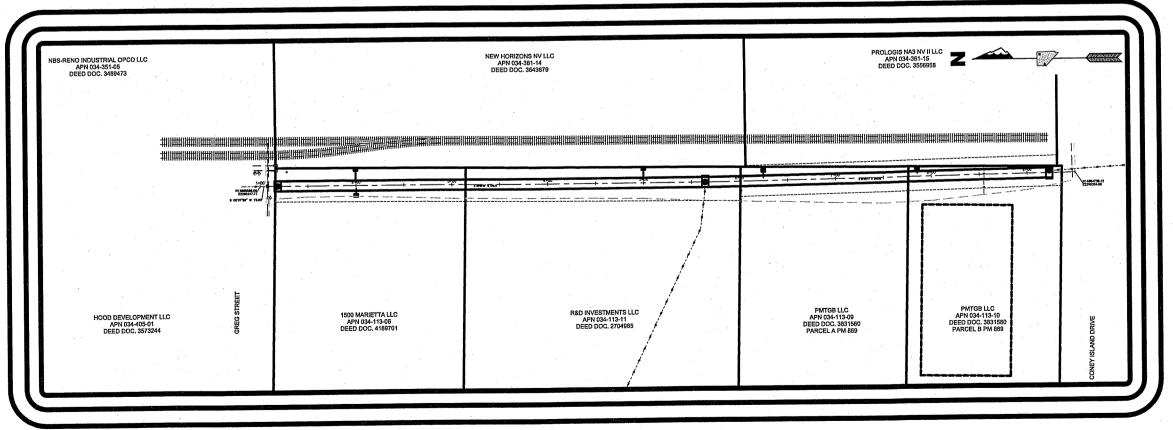
LEGEND

..... LIP OF GUTTER



PROP. CATCH BASIN

PROP. SLOPE



SITE MAP (SCALE: 1"=200')

OWNER:



CITY OF SPARKS 431 PRATER WAY

SHEET INDEX

T-1 TITLE SHEET	
K-1 KEY SHEET	
P-1 MARY WAHL ~ STA 1+00 TO 6	+
P-2 MARY WAHL ~ STA 6+00 TO 9	
D-1 DETAIL SHEET	

D-2 DETAIL SHEET

BASIS OF BEARINGS

BASIS OF ELEVATIONS

OF 4407.89 FEET.

SPECIFICATIONS

ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (AND ANY APPURTENANT SUPPLEMENTS), SPONSORED AND DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY, AND THE SPECIAL PROVISIONS, GENERAL CONDITIONS, TECHNICAL SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS.

APPROVALS

NEIL C. KRUTZ, P.E.		,
DEPUTY CITY MANAGER		

ANDREW M. HUMMEL, P.E. UTILITY MANAGER

ENGINEER'S STATEMENT

ENGINEERING PROCEDURES AND GUIDELINES, AND ARE IN SUBSTANTIAL COMPLIANCE WITH APPLICABLE STATUTES, CITY ORDINANCES, AND CODES. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE PLANS AND CITY CODES, THE CITY CODES SHALL PREVAIL.

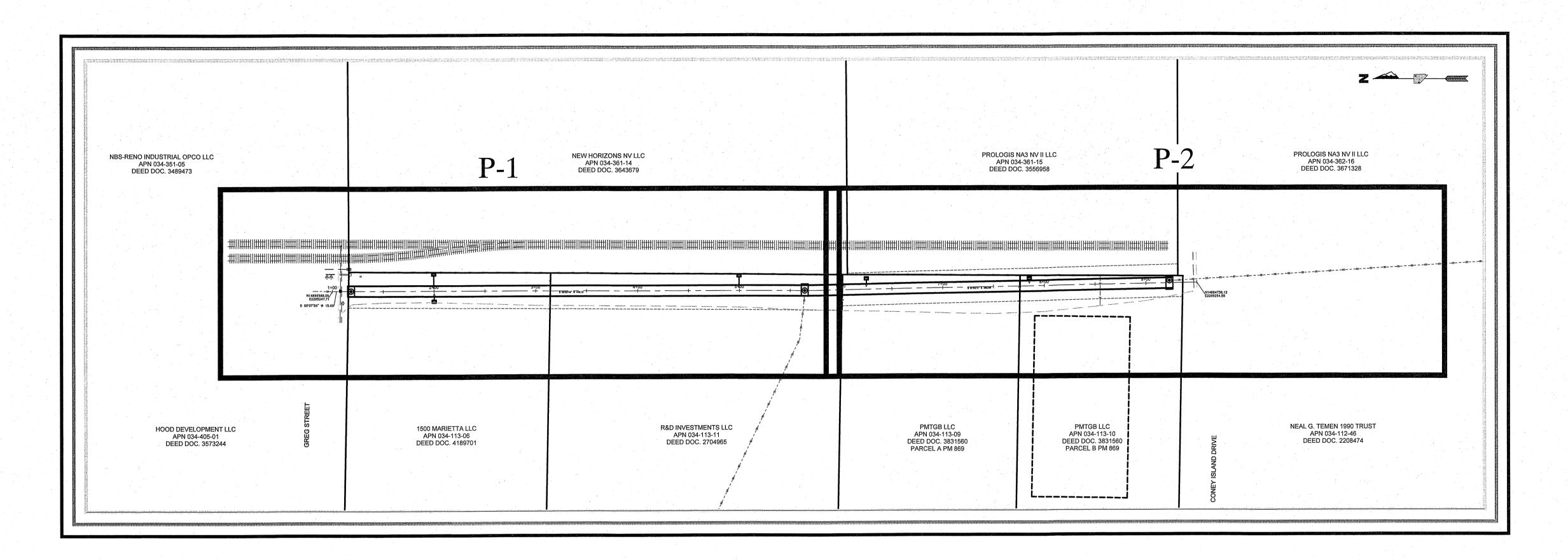
RICHARD D. PETTINARI § Exp. 12–31–<u>/5</u>

P.E. #20191

DRAI SHEET STORM 9F

DESIGNED BY: C.B. CHECKED BY: R.P. SCALE HORIZ: 1"=200' VERT: N/A JOB NO: 29711

CITY OF SPARKS MARY WAHL STORM DRAIN PROJECT



SWPPP NOTES

STANDARD NOTE No. 1 THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAYS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

STANDARD NOTE No. 2
ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE CONTRACTOR AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK.

TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO STORM WATER GERNERAL PERMIT NVR100000, SECTION 1.B.1.b.(2).

STANDARD NOTE No. 4
AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS. AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT AREA EXPOSED TO PRECIPITATION, VEHICLE

ENTRANCE AND EXIT LOCATIONS AND ALL BMPs WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO STORM WATER GENERAL PERMIT NVR100000, SECTION 1.B.1.g.

STANDARD NOTE No. 5
ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50

3. SHOULD ANY PREHISTORIC OR HISTORIC REMAINS/ARTIFACTS BE DISCOVERED DURING SITE DEVELOPMENT, WORK SHALL TEMPORARILY BE HALTED AT THE SPECIFIC SITE AND THE STATE HISTORIC PRESERVATION OFFICE OF THE DEPARTMENT OF MUSEUMS, LIBRARY, AND ARTS, SHALL BE NOTIFIED TO RECORD AND PHOTOGRAPH THE SITE. THE PERIOD OF TEMPORARY DELAY SHALL BE LIMITED TO A MAXIMUM OF TWO (2)

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR

ALL DEWATERING OPERATIONS, IF REQUIRED,

PERMITTING, INSTALLATION, OPERATION AND

CLOSURE METHODS AND OPERATION SHALL BE

CONDITIONS OR REVIEWING AND PERMITTING

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR

PREPARED BY A NEVADA P.E. AND SHALL BE

SUBJECT TO REVIEW AND APPROVAL BY THE

AGENCIES.

INCLUDING EXPLORATION, DESIGN, ENGINEERING,

SUBJECT TO THE ENGINEER'S APPROVAL AND ANY

ALL NECESSARY EXCAVATION SUPPORT SYSTEMS

INCLUDING SHORING. SHORING DESIGN SHALL BE

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING ROADS, BUILDINGS, OR OTHER STRUCTURES RESULTING FROM OR THROUGH THE CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE APPROPRIATE AGENCY AND AT NO COST TO THE OWNER. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REPAIRS TO EXISTING LANDSCAPING OR SPECIAL HARDSCAPE FEATURES

WORKING DAYS FROM THE DATE OF NOTIFICATION.

(I.E., STAMPED CONCRETE, BRICK, DURASTONE, ETC.) DAMAGED BY OR THROUGH CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE DESIGN ENGINEER. THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO WITHIN THE LIMITS OF CONSTRUCTION. ALL AREAS DISTURBED BY THE CONTRACTOR OR THROUGH HIS CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO THEIR NATURAL OR BETTER CONDITION. THE CONTRACTOR SHALL RECEIVE NO PAYMENT FOR

SUCH RESTORATION.

5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THESE DRAWINGS AND THE CONDITIONS EXISTING IN THE FIELD. ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THESE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH. IF THE CONTRACTOR FAILS TO NOTIFY THE DESIGN **ENGINEER IN A TIMELY MANNER OF ANY APPARENT** ERROR OR OMISSION ON THE PLANS OR IN THE SPECIFICATIONS, THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING WORK INCORRECTLY DONE AT THE CONTRACTOR'S

6. ALL CONSTRUCTION MATERIALS AND PRACTICES SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS **CONSTRUCTION (LATEST EDITION THROUGH 2007** UPDATES), STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, SPECIAL PROVISIONS AND THESE PLANS AND SPECIFICATIONS, AND ALL SAFETY

GENERAL NOTES

REGULATIONS AND CODES PERTINENT TO THE PROJECT CONSTRUCTION.

7. PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT INCLUDED IN THE BID PROPOSAL SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF WORK.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL MANHOLE RIMS AND ANY EXISTING UTILITY COVERS WITHIN THE CONSTRUCTION LIMITS ARE SET IN ACCORDANCE WITH MANHOLE COLLAR, UTILITY VALVE, AND SURVEY MONUMENT DETAILS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FOR HIS NEEDS, AS WELL AS STAGING AREA LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SECURITY FOR MATERIALS, SUPPLIES, EQUIPMENT, ETC., THROUGHOUT THE DURATION OF THE CONTRACT ALL MATERIALS, WHETHER IN TRANSIT, STORED ON SITE OR INSTALLED AWAITING FINAL ACCEPTANCE ARE THE PROPERTY OF THE CONTRACTOR. ALL LOSS OR DAMAGE TO THE MATERIALS, UNTIL ACCEPTANCE, IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

10. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND INDICATE GENERALLY THEIR LOCATION ACCORDING TO THE BEST KNOWLEDGE OF THE DESIGN ENGINEER. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES NOT LESS THAN FIVE WORKING DAYS PRIOR TO THE

START OF CONSTRUCTION TO VERIFY THE LOCATION AND DEPTHS OF UTILITIES. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 1-800-227-2600 PRIOR TO COMMENCING ANY EXCAVATION ACTIVITIES FOR UTILITY LOCATION. ANY DAMAGE TO UTILITIES CAUSED BY OPERATIONS OF THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL SUBMIT TO THE DESIGN ENGINEER, A LIST OF UTILITY APPURTENANCES ENCOUNTERED DURING CONSTRUCTION INDICATING STATION AND OFFSET.

11. SUBSURFACE UTILITIES ARE DEPICTED BY THEIR QUALITY LEVELS IN ACCORDANCE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATE (CI/ASCE 38-02). ALL UTILITY INFORMATION SHOWN HEREON IS DEPICTED TO QUALITY "C" UNLESS OTHERWISE

12. DESIGN GRADES SHOWN FOR PEDESTRIAN RAMPS ARE BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER, BUT MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT PEDESTRIAN RAMP SLOPES WITHIN THE LIMITS OF CONSTRUCTION OF THIS PROJECT ARE COMPLIANT WITH THE APPLICABLE DETAILS. AT ALL POINTS WHERE PESETRIAN RAMPS TIE-IN TO EXISTING FACILITIES, GRADES SHALL MATCH TO PROVIDE SMOOTH, CONTINUOUS TRANSITIONS FROM RECONSTRUCTED IMPROVEMENTS TO EXISTING IMPROVEMENTS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THESE PLANS

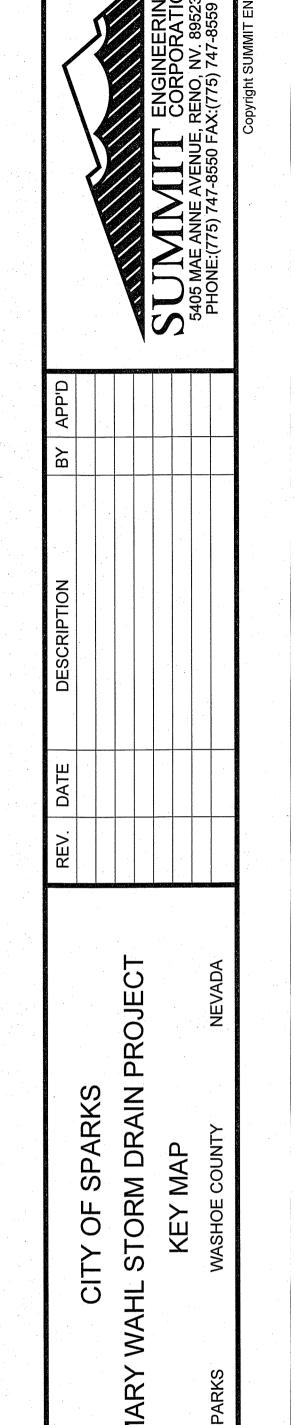
WHICH MAY PREVENT COMPLIANT STRUCTURES FROM BEING CONSTRUCTED SHALL BE CALLED TO THE ATTENTION OF THE DESIGN ENGINEER IMMEDIATELY.

13. DURING THE ENTIRE DURATION OF THIS CONSTRUCTION CONTRACT. THE CONTRACTOR SHALL IMPLEMENT STRINGENT DUST CONTROL MEASURES IN ACCORDANCE WITH CITY OF SPARKS AND WASHOE COUNTY HEALTH DEPARTMENT RULES AND REGULATIONS. THE CONTRACTOR IS REQUIRED TO SUPPRESS DUST AT ALL TIMES, 24 HOURS A DAY, REGARDLESS OF WHEN CONSTRUCTION ACTIVITIES ARE OCCURRING.

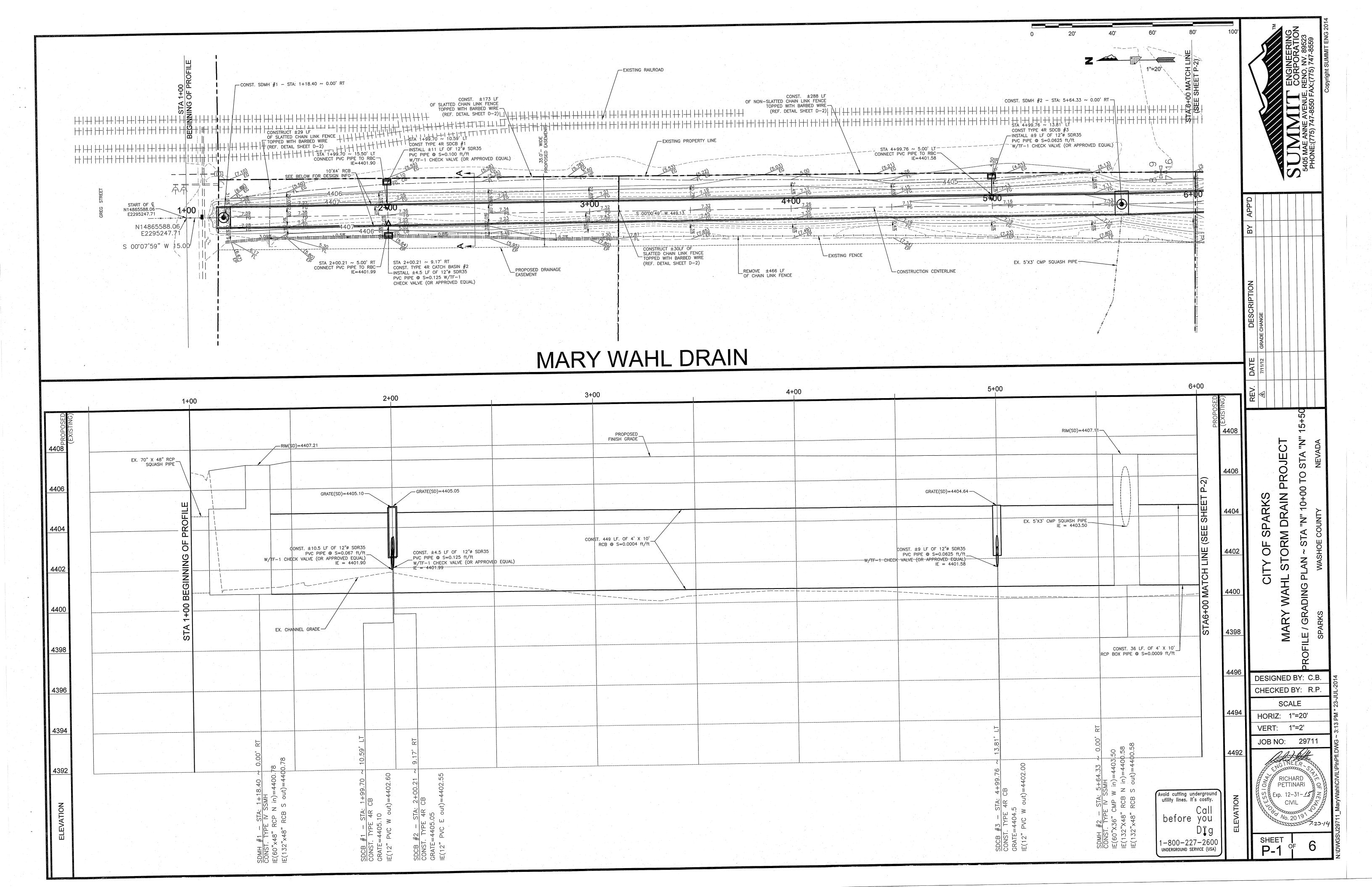
14. THE CONTRACTOR SHALL, BEFORE THE START OF CONSTRUCTION, PROVIDE A NDOT RIGHT-OF-WAY PERMIT AND TRAFFIC CONTROL PLAN TO THE REGIONAL TRANSPORTATION COMMISSION FOR THEIR APPROVAL.

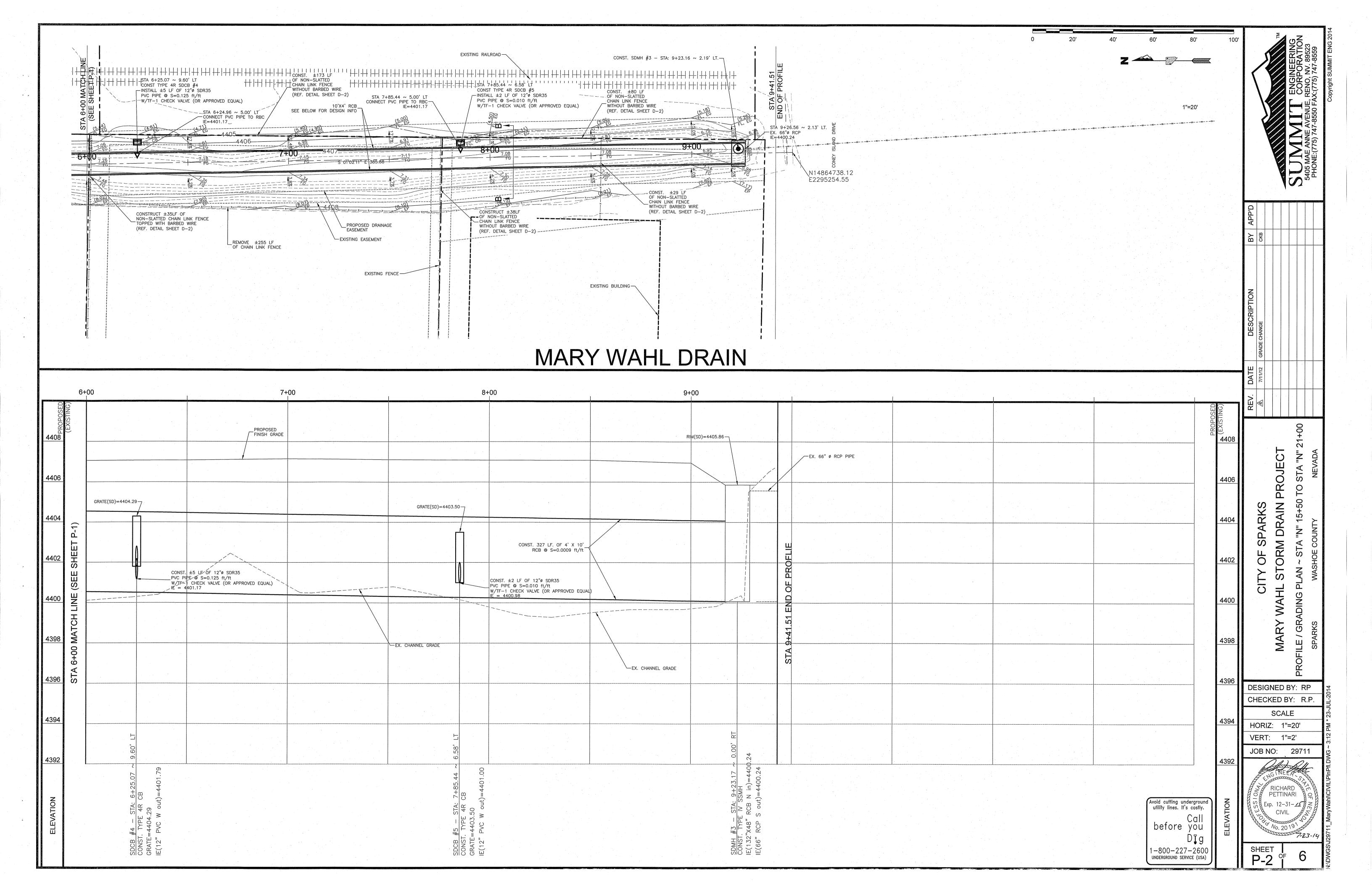
15. THE CONTRACTOR SHALL, BEFORE THE USE OF ANY PORTION OF THE NEW STORM DRAIN SYSTEM IS STARTED, CLEAN ALL STORM DRAIN LINES FROM ANY DEBRIS, TO THE SATISFACTION OF THE ENGINEER/AGENCY.

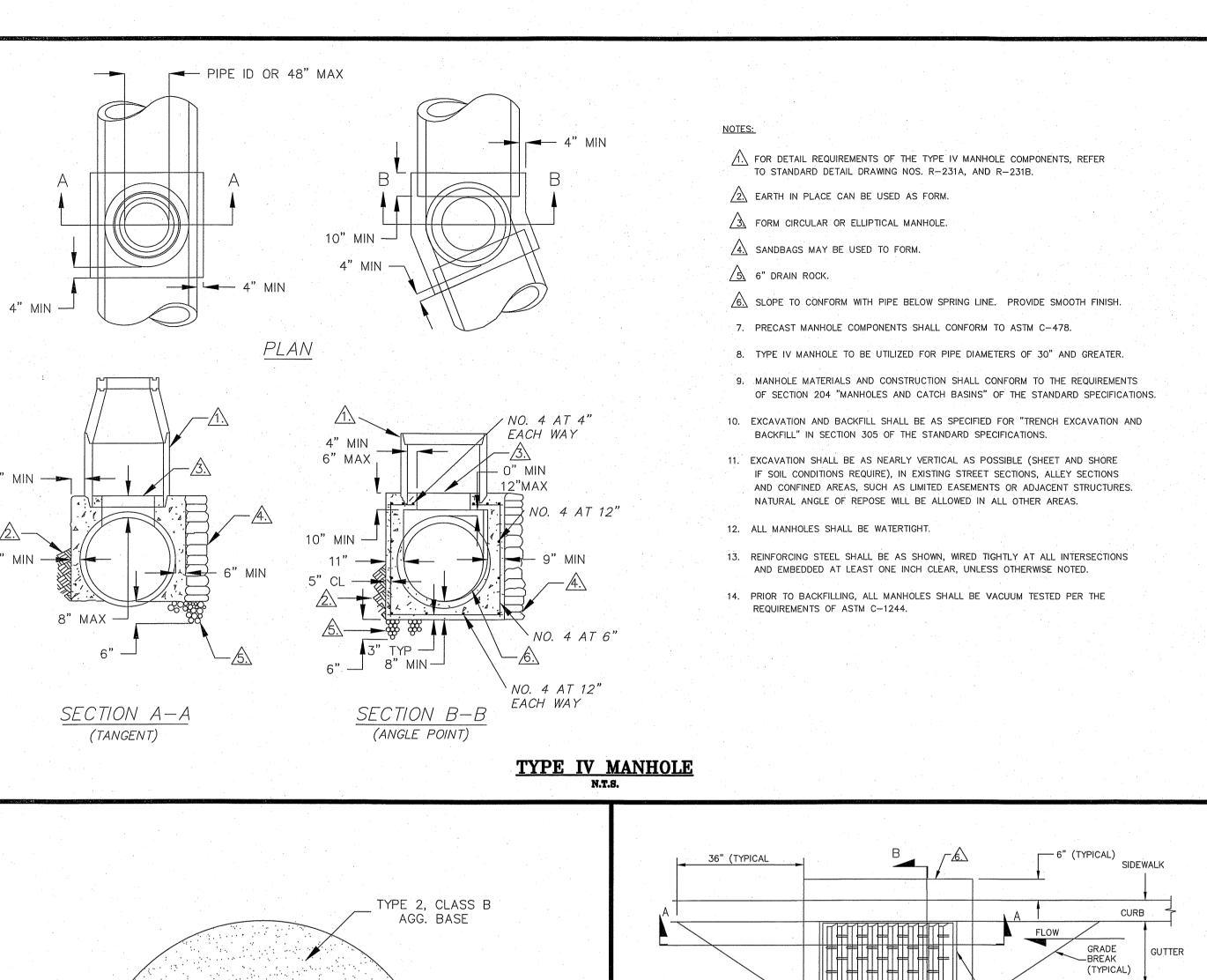
16. THE CONTRACTOR SHALL NOTIFY SPUR TRACK OWNER PRIOR TO CONSTRUCTION.

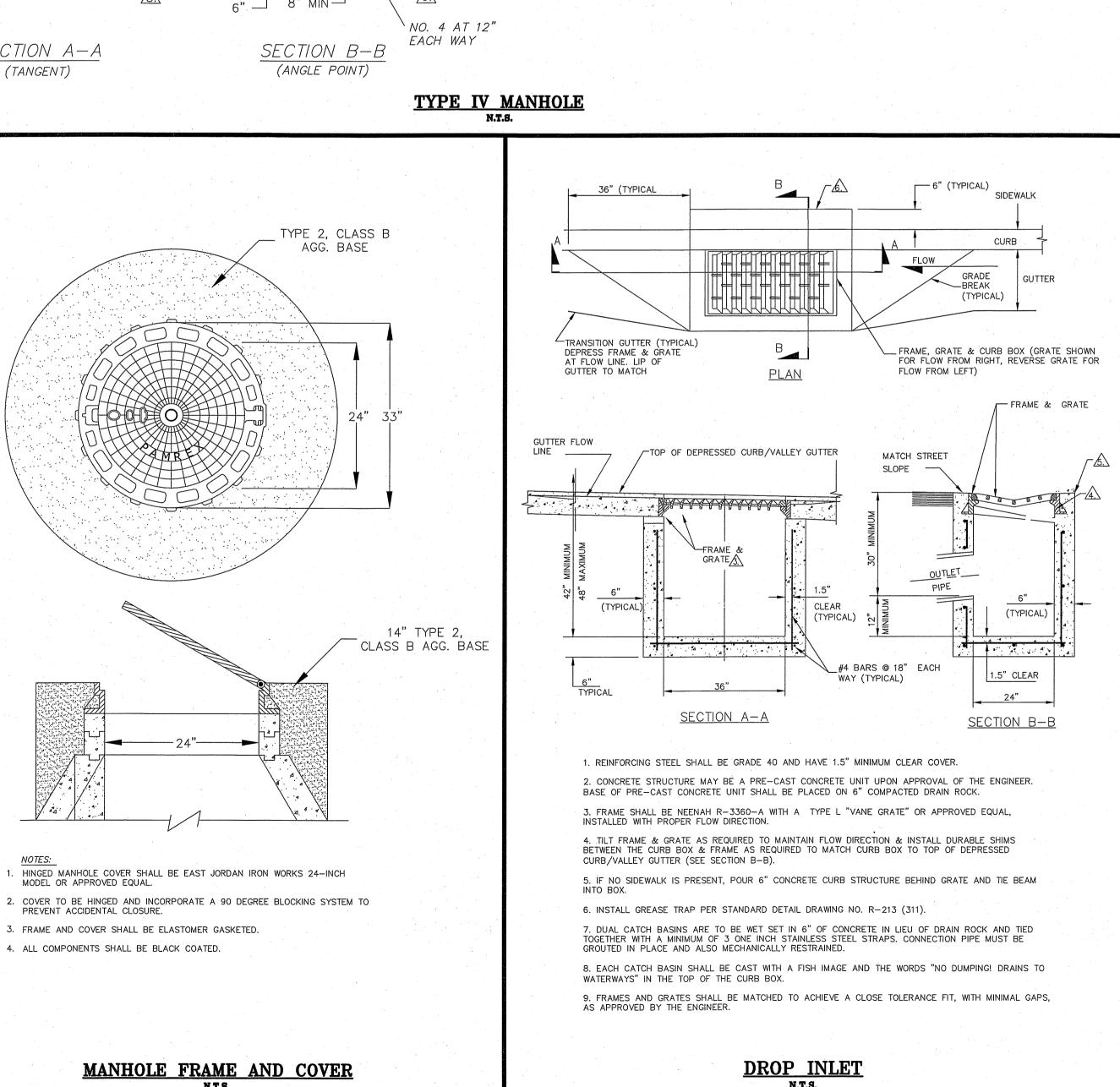


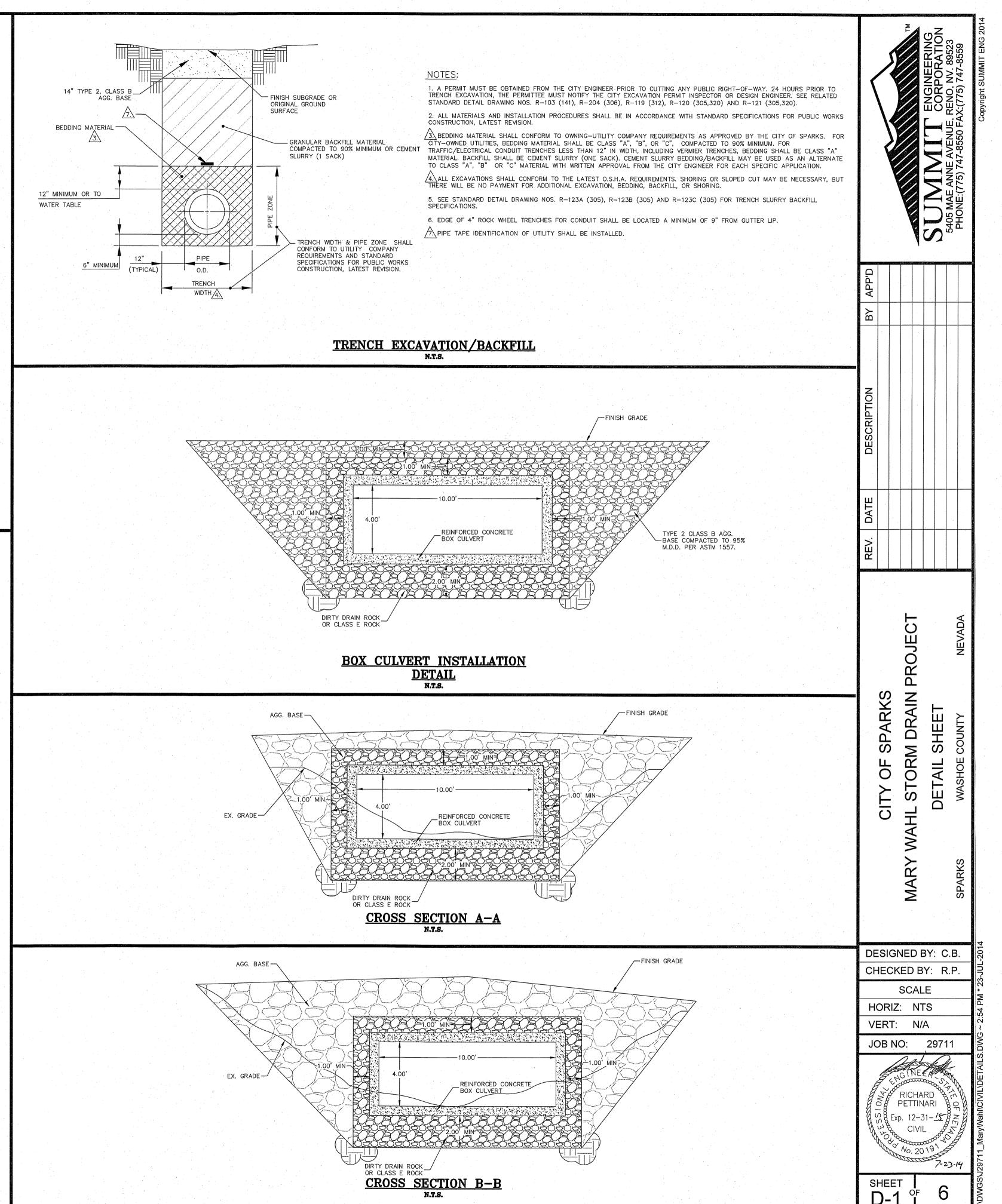
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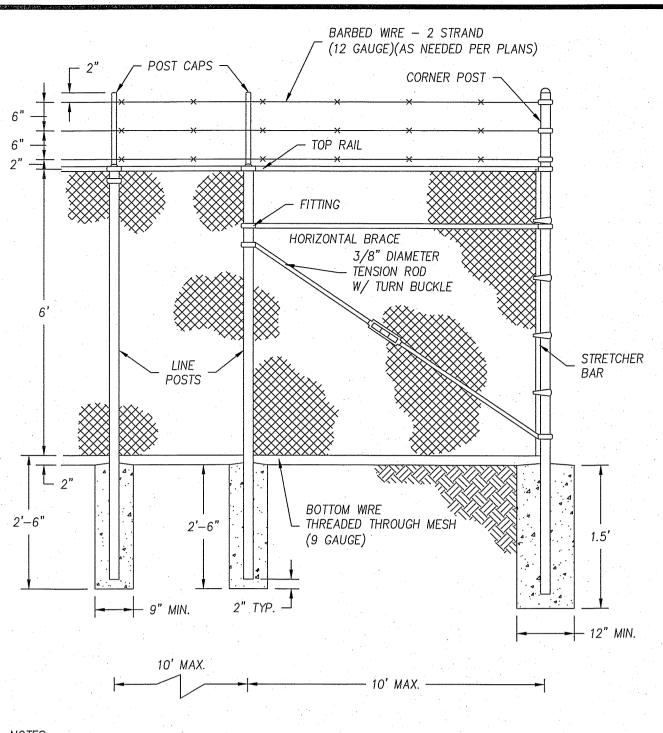








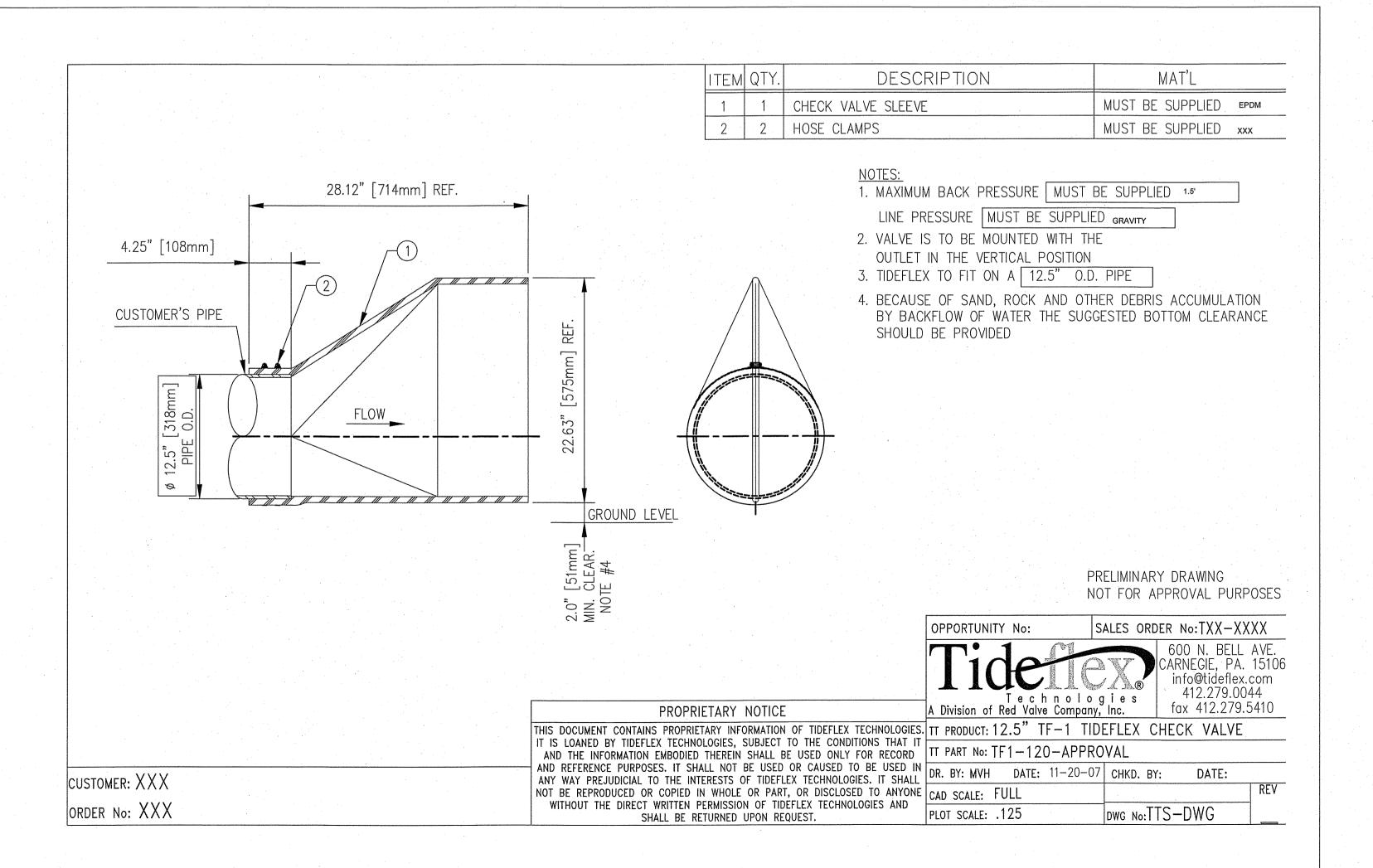


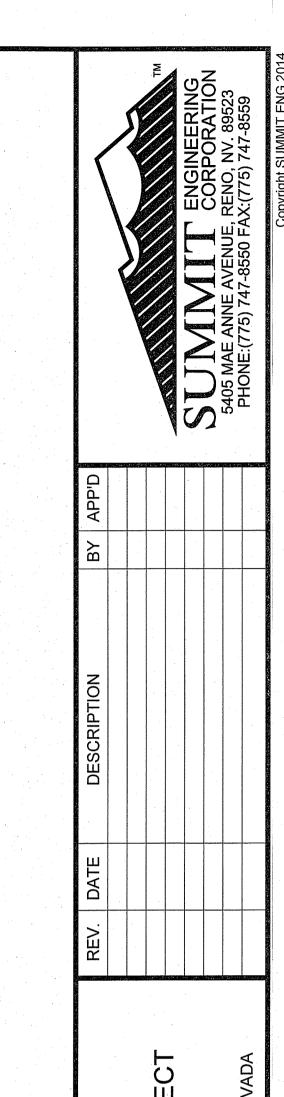


1. ALL FENCE MATERIALS SHALL COMPLY WITH SECTION 209.03 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK) .
2. SLATS SHALL BE PLASTIC AND COMPLY WITH SECTION 209.03.02 OF THE LATEST EDITION OF THE

3. ALL CONSTRUCTION METHODS USED FOR CONSTRUCTION OF FENCING SHALL COMPLY WITH SECTION 327.05 OF THE LATEST EDITION OF THE ORANGE BOOK.

Fil				
NO.	REVISED	DATE	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	SECTION:
				WASHOE
			CHAIN HAHZ EENIGE	DRAWING NO: WR-3.10
			CHAIN LINK FENCE	
				DATE: 7/09 PAGE: 46





STORM DRAIN I SPARKS DETAIL 9 H CITY

CHECKED BY: R.P. SCALE HORIZ: NTS VERT: N/A

DESIGNED BY: C.B.

JOB NO: 29711 RICHARD PETTINARI