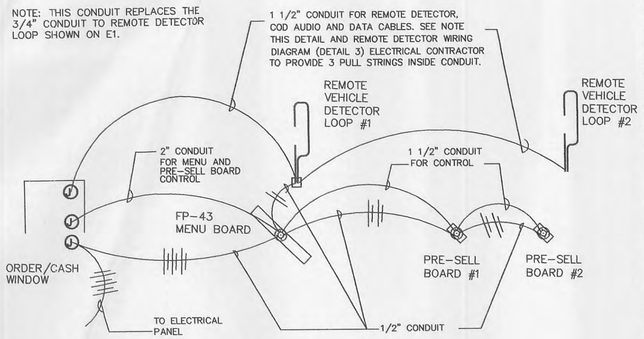
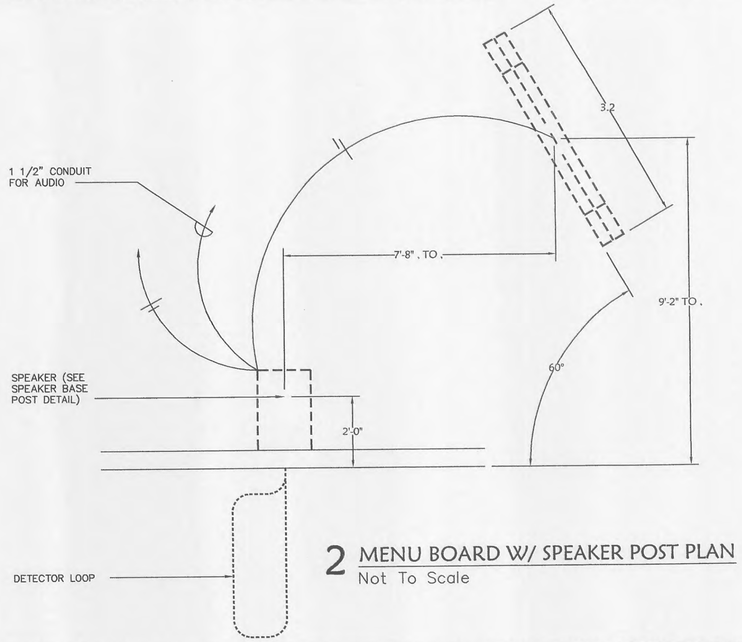
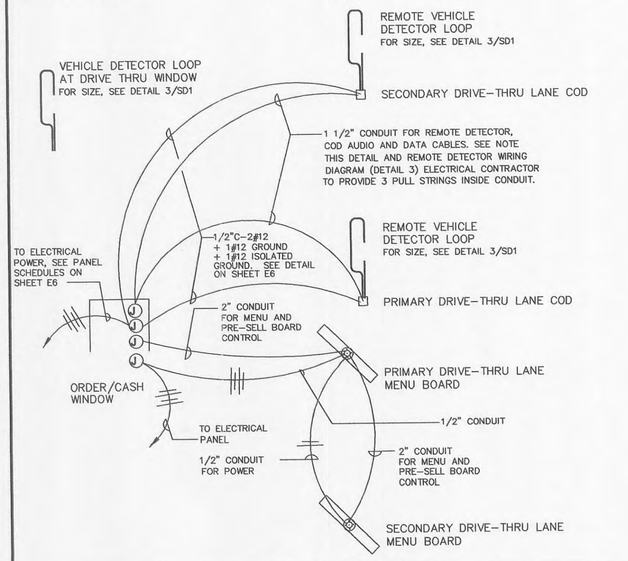


1 DRIVE THRU SITE WIRING DIAGRAM
Not To Scale

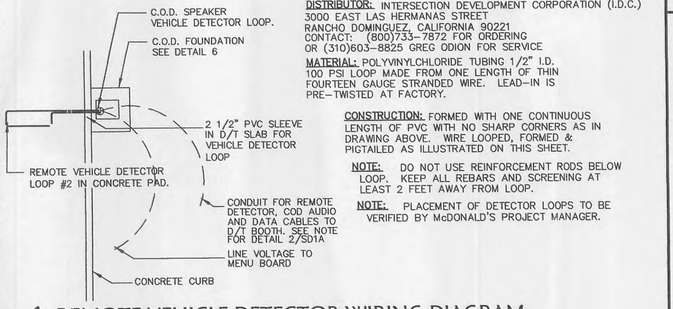


2 MENU BOARD W/ SPEAKER POST PLAN
Not To Scale



3 DRIVE THRU SITE WIRING DIAGRAM (COD AND SPEAKER POST)

DATE	REV	DESCRIPTION
12-18-06	1	REVISED SITE AND ADDED ROAD IMPROVEMENTS



DETECTOR LOOP:

DISTRIBUTOR: INTERSECTION DEVELOPMENT CORPORATION (I.D.C.)
3000 EAST LAS HERMANAS STREET
RANCHO DOMINGUEZ, CALIFORNIA 90221
CONTACT: (800)733-7872 FOR ORDERING
OR (310)603-8825 GREG ODION FOR SERVICE

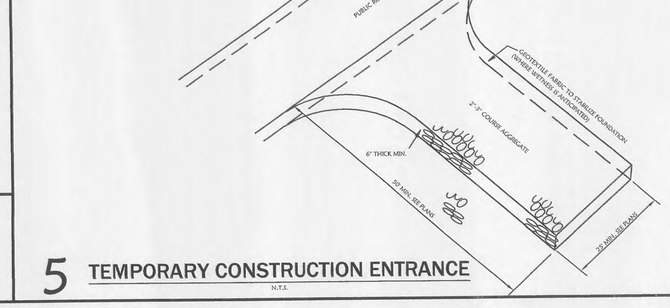
MATERIAL: POLYVINYLCHLORIDE TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.

CONSTRUCTION: FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS IN DRAWING ABOVE. WIRE LOOPED, FORMED & PIGTAILED AS ILLUSTRATED ON THIS SHEET.

NOTE: DO NOT USE REINFORCEMENT RODS BELOW LOOP. KEEP ALL REBARS AND SCREENING AT LEAST 2 FEET AWAY FROM LOOP.

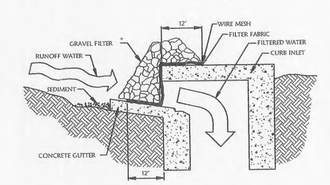
NOTE: PLACEMENT OF DETECTOR LOOPS TO BE VERIFIED BY McDONALD'S PROJECT MANAGER.

4 REMOTE VEHICLE DETECTOR WIRING DIAGRAM
Not To Scale

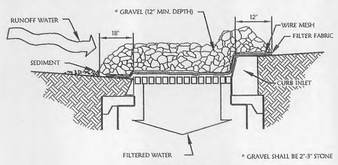


5 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.

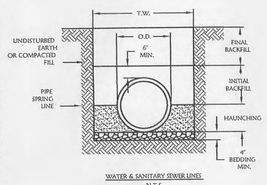
11 TEMPORARY GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
N.T.S.

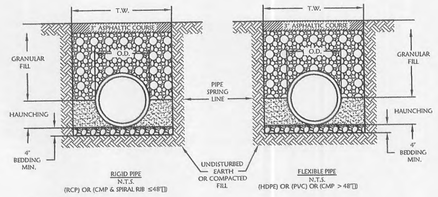


6 TEMPORARY GRAVEL CURB INLET INLET SEDIMENT FILTER
N.T.S.



7 TEMPORARY GRAVEL DROP INLET INLET SEDIMENT FILTER
N.T.S.





NOTE: MINIMUM TRENCH WIDTH (T.W.) SHALL BE THE GREATER OF (1.25 O.D. + 12") OR (O.D. + 16")

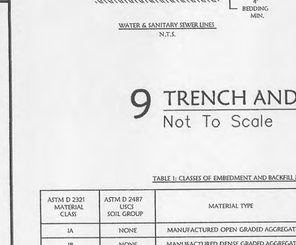
9 TRENCH AND BEDDING DETAILS
Not To Scale

TABLE 1: CLASSES OF EMBEDMENT AND BACKFILL MATERIALS

ASTM D 2321 MATERIAL CLASS	ASTM D 2487 USCS SOIL GROUP	MATERIAL TYPE	% PASSING			ATTERBERG LIMITS	
			1 1/2 IN.	NO. 4	NO. 200	LL	PI
IA	NONE	MANUFACTURED OPEN GRADED AGGREGATES	100%	≤10%	<5%	NON PLASTIC	
IB	NONE	MANUFACTURED DENSE GRADED AGGREGATES	100%	≤50%	<5%	NON PLASTIC	
II	GW	COARSE-GRAINED SOILS CLEAN	100%	<50% OF "COARSE FRACTION"	<5%	NON PLASTIC	
	GP			>50% OF "COARSE FRACTION"			
	SW						
	SP						
III	GM	COARSE-GRAINED SOILS W/ FINES	100%	<50% OF "COARSE FRACTION"	12% TO 50%		<4 OR <"A" LINE
	GC						<7 OR >"A" LINE
	SM			>50% OF "COARSE FRACTION"			>4 OR <"A" LINE
	SC						>7 OR >"A" LINE
IV-A	ML	FINE-GRAINED SOILS	100%	100%	>50%	<50	<4 OR <"A" LINE
	CL						>7 OR >"A" LINE

GENERAL NOTES

1. BEDDING SHALL BE DUMPED CLASS IA WORKED BY HAND, OR CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. LOCAL CODE PERMITTING WITH GEOTECHNICAL ENGINEER AND OWNER APPROVAL, NATIVE SOIL MAY BE USED FOR BEDDING PROVIDED IT MEETS THE EMBEDMENT AND BACKFILL MATERIALS IN TABLE 1 EXCLUDING CLASS IV-A.
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A, OR CLASS I-B OR CLASS II COMPACTED TO 95% STANDARD PROCTOR. PEA GRAVEL SHALL NOT BE USED AS A HAUNCHING MATERIAL. CLASS III MATERIAL SHALL BE ALLOWED FOR RIGID PIPE COMPACTED AT 95% STANDARD PROCTOR.
3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 90% STANDARD PROCTOR, OR CLASS III COMPACTED 95% STANDARD PROCTOR. CLASS I & II MATERIAL SHALL BE USED FOR FLEXIBLE PIPE WHEN FILL HEIGHTS EXCEED 8'.
4. FINAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 90% STANDARD PROCTOR, OR CLASS III COMPACTED TO 95% STANDARD PROCTOR.
5. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
6. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321. (SEE TABLE 1)
7. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
8. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
9. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.
10. DESIGN ENGINEER SHALL DESIGNATE ON THE PLANS WHERE WATERTIGHT JOINTS ARE TO BE REQUIRED.
11. REPLACE WET OR UNSUITABLE SOIL AS NECESSARY TO PROVIDE A SUITABLE BASE, AS DIRECTED BY GEOTECHNICAL ENGINEER OR OWNER.
12. WHERE GROUND WATER IS PRESENT CLASS I-A MATERIAL SHALL BE WRAPPED WITH A NON-WOVEN GEO-TEXTILE, EXCLUDING BEDDING MATERIAL BETWEEN 4" & 6" THICK.
13. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR SOIL TYPE AND CLASSIFICATIONS FOR THIS PROJECT.
14. CONTRACTOR SHALL REFER TO THE LATEST VERSION OF ASTM STANDARDS PRIOR TO CONSTRUCTION.

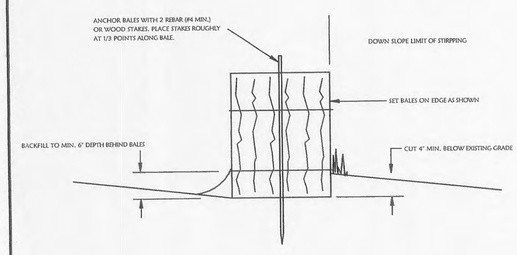


NOTES:
PLACE SILT FENCE AT DOWN SLOPE LIMIT OF AREA TO BE GRADED.
SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT OR WOVEN WIRE WHICH IS IN TURN ATTACHED TO THE STEEL POSTS. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

SEDIMENT TRAPPED BY THIS PRACTICE SHALL BE DISPOSED OF IN AN APPROVED IN A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6" INCHES AND DISPOSED OF IN AN APPROVED SPOIL SITE OR AS IN ABOVE. AT EACH END OF SILT FENCE, TURN FENCE UPSLOPE AND EXTEND UNTIL GROUND SURFACE RISES 18".

8 TEMPORARY SILT FENCE
N.T.S.



NOTES:
BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR INCHES WHERE POSSIBLE.
BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES.
INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6" INCHES.
AT EACH END OF DIKE, TURN DIKE UPSLOPE AND EXTEND UNTIL GROUND SURFACE RISES 18".

10 STRAW BALE BARRIER
N.T.S.

Clark Engineering Inc.
Corp. Office: 1008 N.W. 7th St. Ste. "C" Bentonville, AR 72712 (479) 464-8850 (V) / (479) 464-9040 (F)
Regional Office: 11285 Strang Line Rd. Lenexa, KS 66215 (913) 310.0470 (V) / (913) 310.0261 (F)

McDonald's

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OFFICE: KANSAS CITY
ADDRESS: 10801 MASTIN BLVD. STE. 400, OVERLAND PARK, KS 66210

STATUS	DATE	BY
PRELIMINARY	-/-/--	-
PLAN CHECKED	-/-/--	-
AS-BUILT	-/-/--	-
PROJECT NO.	06-0620	

SD4